

(Affiliated to Mumbai University)

Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org F.Y.B.A.(Paper No.-I)

SUBJECT- Fundamentals of Psychology

SEM-I

CO1	Understanding and application of psychological principles, theories and methods of different psychological areas (like learning, memory, etc.) to understand the complexity of human behaviour.
CO2	Knowledge of the fundamental physiological functional mechanism
	behind the Nervous system in the human body.
CO3	It also correlates to the understanding of historical context of
	different studies and researches.
CO4	Learning about nature, basic emotions and physiological correlates.
CO5	Understanding Memory and Forgetting- stages, types and theories.

Mapping of PO, PSO&CO

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	
		3		3		1	2				
CO1											
	2		2		3	2		2	2	2	
CO2											
		1		2	2		2		2	1	
CO3											
	1	2	2	2		2		2		2	
CO4										<u> </u>	
	2		stce & Science		1		2		3	Anzar	La
CO5		cts, Co	()	sz))					C+	PRINCIPA Wilfred's Co	
	•	le.	aballos 2 Ball	1	•		•		Arts,	Commerce &	& Scier

Where the mind is without fear! where the head is held high!



(Affiliated to Mumbai University)

Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org

F.Y.B.A.(Paper No.-I)

SUBJECT- Fundamentals of Psychology

SEM-II

CO1	Understanding definition, nature, scope, methods, branches of
	Psychology.
CO2	Understanding basic psychological processes- Sensation, Perception
	and Attention.
CO3	Learning about Central and Peripheral Nervous System, Receptors
	and Effectors.
CO4	Gathering knowledge about definition, scope, methods of
	developmental Psychology.
CO5	Learning about Principles of heredity; Influence of Heredity and
	Environment.

Mapping of PO, PSO&CO

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	
	1		2	2		1	2			1	
CO1											
	2	3	1		1	2		1	1		
CO2											
		2		2	2		2		2	3	
CO3											
	2		2	2	3	1	1	3		2	
CO4										_	
CO5		2 (12, Colly	Stee & Sclence	4 52	1	2		1	2	PRINCIP	AL
	1		Ballog s. Pall		<u> </u>		<u> </u>		St. Arts,	Wilfred's Co Commerce	llege of & Scien

Where the mind is without fear! where the head is held high!



(Affiliated to Mumbai University)

Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org

S.Y.B.A.(Paper No.-I)

SUBJECT- Social Psychology

SEM-III

CO1	Learning about nature, scope and methods of social psychology.
CO2	Learning about social interaction, conformity, cooperation, norms,
	attitude and values.
CO3	Understanding influence and nature of groups on individual
	behavior, crowd and mob behaviour.
CO4	Understanding social issues like public opinion and propaganda.
CO5	Developing an understanding about aim, scope and methods of
	industrial psychology.

Mapping of PO, PSO&CO

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2
	1		2		2		1	2		2
CO1										
	2	2		1		1			2	
CO2										
		1	1	2	1		2	1		3
CO3										
	2	2	2		2	1		2	1	2
CO4										
		3		2		2	2		3	
CO5										
		(s. Com	orce & Sectonco	* 51						PRINCIPA

St. Wilfred's College of Arts, Commerce & Science

9



(Affiliated to Mumbai University)

Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org S.Y.B.A. (Paper No.-I)

SUBJECT- Social Psychology

SEM-IV

CO1	Develop insight and analyze the contribution of social psychologists
	to the understanding of human society.
CO2	Evaluate effective strategies in socialization, group processes (both
	inter and intra-group) and helping behavior.
CO3	Ability to register the progression of theories in major areas in
	Social Psychology.
CO4	Interpret attitude formation and various methods to be used to
	change the attitude.
CO5	Understand aspects related to social psychology

Mapping of PO, PSO&CO

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2
		2		1		2		2		2
CO1										
	2	1	2		1	1	2		2	
CO2										
			1	2	2			2	3	2
CO3										
	2	2		3		2	2	2	2	
CO4										
	1		2		2		1			2
CO5										
		S. Com	erce & Setence	* 52						PRINCIPA

St. Wilfred's College of Arts, Commerce & Science

9



(Affiliated to Mumbai University)

Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org T.Y.B.A.(Paper No.-I)

SUBJECT- Psychological Testing and Statistics

SEM-V

CO1	Understand the basic concept of statistics in psychology.
CO2	Explore and get introduced to the various statistical tools (parametric
	and non-parametric) used for analysis.
CO3	Help students to understand the techniques of inferential statistics
	and hypothesis testing.
CO4	Learn categorization and presentation of data; graphical
	representation used to communicate data.
CO5	Review the ethical issues surrounding psychometric evaluation,
	testing and interpretation in day to day life.

Mapping of PO, PSO&CO

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2
	1	102	1	2	105	2	107	2	1501	2
CO1										
	2	2	2		2	1		2	2	
CO2										
		1		2			1		1	2
CO3										
	2	2	3	2	1	1		2		2
CO4										
	1		2		3		2		3	
CO5										
		s. Com	stce & Sclence	* 52	<u>.</u>		<u>.</u>			PRINCIPA

PRINCIPAL St. Wilfred's College of Arts, Commerce & Science

9



(Affiliated to Mumbai University)

Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org T.Y.B.A.(Paper No.-II)

SUBJECT- Abnormal Psychology

SEM-V

CO1	This course will impart in students an appreciation of the complex issues surrounding abnormal behaviour both as experts and novices think about it.
CO2	Students would be able to diagnose a disorder, prescribe a treatment, and make a prognosis. They would also get an insight into the skills which are required by a psychologist.
CO3	The type of knowledge this course imparts is precisely the type used by professional practitioners.
CO4	Students can review current research findings and trends relative to the development and description of maladaptive behavior, as well as gender and demographic influences on the prevalence of psychological illness.
CO5	Students also learn to describe the diagnostic criteria, symptoms, course, incidence, prevalence, etiology, prognosis and correlates of major mental disorders and learn the psychological, biological, and sociocultural theoretical perspectives of abnormal behavior.

PO1 PO2 PO3 PO4 PO5 PO₆ PO7 **PO8** PSO1 PSO₂ 1 1 2 3 1 **CO1** 2 2 2 2 2 1 **CO2** 2 1 2 2 2 2 CO3 2 2 2 2 2 CO₄ La 2 Ŧ 3 2 2 PRINCIPAL CO5 Wilfred's College of St. Arts, Commerce & Science

Mapping of PO, PSO&CO



(Affiliated to Mumbai University)

Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org T.Y.B.A.(Paper No.-III)

SUBJECT- Industrial and Organizational Psychology

SEM-V

CO1	Students will be able to describe concepts of psychology in the process of manpower training.
CO2	Design training & development process of an organizations, apply various methods in organizational setting.
CO3	The goal of this course is to understand how psychological principal improve efficiency and quality of employee life.
CO4	Students gain knowledge about the history of I/O psychology, job analysis, motivation, leadership, job satisfaction, work stress and health.
CO5	Basis and Methods of Personnel Selection, Job Analysis - methods, measurement and uses.

Mapping of PO, PSO&CO

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2
	2	3		3		1		1		1
CO1										
		2	2		2		2		2	3
CO2										
	1		1	2		2		2	2	2
CO3										
	2	2		1	2	2	2	2	2	1
CO4										
	1		2		1		1		1	
CO5		1	orce & Science							Frizall
		Com	7	*1					St. Arts,	PRINCIPAL Wilfred's Colle Commerce & S



(Affiliated to Mumbai University)

Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org T.Y.B.A.(Paper No.-IV)

SUBJECT- Cognitive Psychology

SEM-V

CO1	Getting theoretically and practically focused on concepts of attention, perception, memory, learning, thinking, concept
	formation, language formation.
CO2	Analyze each situation rationally and take decisions better and faster
	than others.
CO3	Identify the building blocks that enable students to identify their
	strengths and weaknesses so that they can further help others in
	doing so
CO4	Explore and comprehend the concepts, principles and themes of
	cognitive psychology.
CO5	Facilitate the students to develop the cognitive skills in themselves
	and others.

Mapping of PO, PSO&CO

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	
	2	2		2		3		3	2		
CO1											
			1		2	2	2	2	3	2	
CO2											
	2	2		3	2		2		2	2	
CO3											
		1	2	2		2		2		2	
CO4			orce & Scienc							Frizal	La
	2	Como	2 J	50	1		2		1	PRINCIP	
CO5		Press 1	2001100 5.00	Į					St.	Wilfred's Co Commerce	llege of

Where the mind is without fear! where the head is held high!



(Affiliated to Mumbai University)

Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org

T.Y.B.A. (Paper No.-V)

SUBJECT- Counselling Psychology

SEM-V

CO1	Analysing the influence of varied social phenomena on an individual
	Social organization, interaction, person perception, attribution.
CO2	Attitude: definition, formation, theories, measurement and change.
CO3	Developing an understanding of group psychology, group
	phenomenon, Leadership and group morale.
CO4	Understanding the concept and measurement of Stereotype,
	prejudice and discrimination.
CO5	Learning the meaning, purpose and steps of Counselling.

Mapping of PO, PSO&CO

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2
	1		1	2			1		2	2
CO1										
	2	2		2	2	3		2	1	
CO2										
		2	3		2		2		2	2
CO3										
	1	2	2	2	2	2		2		3
CO4										
	2		1		1	1	2	1	1	
CO5			stce & Science							Anson
		Apris, Co	asallog s. Pall	St. W					St. Arts,	PRINCIPAL Wilfred's Colleg Commerce & S



(Affiliated to Mumbai University)

Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org T.Y.B.A.(Paper No.-I)

SUBJECT- Psychological Testing and Statistics

SEM-VI

CO1	Analyze and apply the understanding of psychological testing.
CO2	Interpret and assess the role of psychological testing in various settings.
CO3	Effectively synthesize and apply the variations in scales and tests.
CO4	Execute qualitative and quantitative data analysis
CO5	Review the ethical issues surrounding psychometric evaluation,
	testing and interpretation in day to day life.

Mapping of PO, PSO&CO

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	
	2		1		1	2		2	2		
CO1											
	2	2		1		1	2	1	1	1	
CO2											
			2		1	1	1		1	1	
CO3											
	1	2		1			2	1	2	1	
CO4											
		2	2		1	2		2		2	
CO5			stce & Science							Frisall	9
	•	Co)		st)	-	-	•	-	Ct	PRINCIPAL Wilfred's Colle	
		141	0-0501103 5, 1911)					Arts,	Commerce & S	Sci



(Affiliated to Mumbai University)

Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org T.Y.B.A.(Paper No.-II)

SUBJECT- Abnormal Psychology

SEM-VI

CO1	Learning about definition of psychopathology, concept of abnormality, criteria of normality.
CO2	Understanding determinants of Abnormal Behaviour : a) Biological; b) Psychological; c)Socio-Cultural
CO3	Studying the methods of understanding abnormal behaviour : Case History; Interview; Psychometric and Projective.
CO4	Learning about symptoms of :I) Schizophrenia II) Mood Disorders III) Anxiety Disorders.
CO5	Understanding the concept of adjustment, mental health, mental hygiene.

Mapping of PO, PSO&CO

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	
	2	1		1	2	1	2	1	1		
CO1											
	1	1	2		1		2		2	2	
CO2											
		1	1	1		1		1	2	2	
CO3											
	1	2	1	2	1	1	2			2	
CO4											
	1		1	2	2	1		1	2	2	
CO5			sice & Science							Frisall	9
		Arts, Co	Dalled spall	St.					St. Arts,	PRINCIPAL Wilfred's Colle Commerce & S	ege



(Affiliated to Mumbai University)

Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org T.Y.B.A.(Paper No.-III)

SUBJECT- Industrial/Organizational Psychology

SEM-VI

CO1	Developing an understanding of the concept of industrial psychology and organizational behaviour
CO2	Basis and Methods of Personnel Selection, Job Analysis - methods, measurement and uses.
CO3	Developing an understanding about aim, scope and methods of industrial psychology.
CO4	Developing an understanding about work and environment and accidents in Industry.
CO5	Working conditions (a) Physical, (b) Temporal and (c) Psychological conditions at work, Accident prevention.

Mapping of PO, PSO&CO

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	
	1				1		2	1		2	
CO1											
	2	2	1	2	2	1			2	1	
CO2											
		3	2	2		2	2	2	1		
CO3											
	1			2	2			2	1	2	
CO4											
CO5	2	2	2 Sice & Science		1	2	2			1 Frizalla	Э
	·	A Mrs. Co	o aballog s pail	St. 1					St. Arts,	PRINCIPAL Wilfred's College Commerce & Sc	je of cienc [,]



(Affiliated to Mumbai University)

Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org T.Y.B.A.(Paper No.-III)

SUBJECT- Cognitive Psychology

SEM-VI

CO1	To study the concept of cognition and its application in cognitive psychology
CO2	Comprehend the role of mental processing in day -to- day life for solving problems
CO3	Cultivate cognitive skills to understand the mind and behavior.
CO4	Understanding concept, types and theories of Motivation
CO5	Learning about nature and theories of Emotion

Mapping of PO, PSO&CO

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2
	1	2	1		1	1		1	2	
CO1										
		2	1	2	2		2	1		2
CO2										
	2	1	2	2		2		1	2	2
CO3										
	2		2	2	2	1	2	2	1	
CO4										
	2	1	2		2	2	1		2	2
CO5										



Ariadha

PRINCIPAL St. Wilfred's College of Arts, Commerce & Science



(Affiliated to Mumbai University)

Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org T.Y.B.A.(Paper No.-III)

SUBJECT- Counselling Psychology

SEM-VI

CO1	Understanding the concept of guidance and counselling.
CO2	Knowing about the special areas of counselling – Educational,
	Vocational, Family, Marriage, Old age and Health.
CO3	Learning about steps, factors and methods of counselling.
CO4	Learning about types, characteristics and uses of Psychological tests-
	Aptitude, Interest and Personality
CO5	Understanding non-test Appraisal Techniques: Case Study,
	Cumulative Record Card

Mapping of PO, PSO&CO

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2
			105	104		100	10/	1 00	1501	1502
		2			2			1		2
CO1										
	2		2	2		2	2	2	2	
CO2										
	1	2			1		2		2	2
CO3										
	2	1	2	2	1	2		2		2
CO4										
		1		1		2	1		2	1
CO5										



Ariadha

PRINCIPAL St. Wilfred's College of Arts, Commerce & Science

(Affiliated to Mumbai University)

Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org F.Y.B.A. POLITICS (PAPER I)

SUBJECT- THE CONSTITUTIONAL FRAMEWORK

SEM-I

CO1	Introducing the Indian Constitution with a focus on the role of the
	Constituent Assembly and examining the essence of the the
	Preamble.
CO2	Examining the Fundamental Rights and Duties of Indian citizens
	with a study of the significance and status of Directive Principles.
CO3	Assessing the nature of Indian Federalism with focus on Union-State
	Relations.
CO4	Critically evaluating the Indian Party system – its development and
	looking at the ideology of dominant national parties
CO5	Looking at the Constitutional Amendment Procedure with focus on
	the main recommendations of the Constitutional Review
	Commission (Venkatachalliah Commission)

Mapping of PO, PSO&CO

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2
	2		1	2		2		2		2
CO1										
		2			3		2		2	
CO2										
	2	1	2	1	1	2	1	2		2
CO3										
		2		2	1		2		1	
CO4		1	orce & Science	6						Frizalle
	2	Com	2 J	S	2	2		1	1	² PRINCIPAL
CO5		Pres .							St.	Wilfred's Colleg Commerce & So

(Affiliated to Mumbai University)

Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org F.Y.B.A. POLITICS (PAPER I)

SUBJECT- INDIAN POLITICAL PROCESS

SEM-II

CO1	To study the unique characteristics of the Indian federal system
CO2	To motivate the students to critically study the functioning of the constitution
CO3	To impart awareness about major issues in Indian Political system
CO4	Evaluating the role of various forces on Indian politics: religion; language; caste; tribe; regionalism; business; working class and peasants
CO5	Creating awareness about social movements and empowerment related to women

Mapping of PO, PSO&CO

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	
CO1											
CO2											
CO3											
CO4											
CO5											La
		A Mrs. Com	erce & Science	51,51					St. Arts,	PRINCIPA Wilfred's Co Commerce	AL ollege o



(Affiliated to Mumbai University)

Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org

S.Y.B.A. POLITICS (PAPER I)

SUBJECT- POLITICAL THEORY

SEM-III

CO1	To introduce the students Political theory and the basic concepts.
CO2	To identify various approaches to the study of Political theory.
CO3	To impart knowledge about various theories and concepts of
	Political Theory.
CO4	To familiarize the students about the structure and functions of the
	organs of government.
CO5	Explaining the theories of Nationalism, Internationalism and
	fascism.

S.Y.B.A. POLITICS (PAPER I)

SUBJECT- POLITICAL VALUES AND IDEOLOGIES

SEM-IV

CO1	Studying Fundamental rights, duties and Directive Principles of
	State Policy.
CO2	To impart knowledge about tools of participatory democracy
CO3	To inculcate skills for capacity building activities in local self-
	governing institutions
CO4	Accessing the concepts of Rights, liberties and their relationship
CO5	To familiarize the Women rights condition in India including _{RINCIPAL}
	constitution a provisions St. Wilfred's College of
	Arts, Commerce & Science



(Affiliated to Mumbai University)

Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org

T.Y.B.A. POLITICS (PAPER I)

SUBJECT- International Relations

SEM-V

CO1	Explaining scope and subject matter of International Relations as an autonomous academic discipline.
CO2	Approaches and methods to study the discipline through Political realism, Pluralism and Worlds system's Model.
CO3	Examining the issues of Underdevelopment, Terrorism, Regionalism and Integration that characterizes the Post second world war order.
CO4	Studying the role of Diplomacy, Propaganda and Military capabilities in the making of foreign policy.
CO5	Analysing the Foreign Policy of USA and China

T.Y.B.A. POLITICS (PAPER II)

SUBJECT- Western Political Thought

SEM-V

CO1	Providing an insight into the dominant features of Ancient Western Political Thought: Ancient Greek political thought with focus on
	e i e
	Aristotle and Plato; Roman Political Thought: its contributions with
	special emphasis on the emergence of Roman law.
CO2	Examining the features of Medieval Political Thought
CO3	Evaluating the Renaissance; political thought of Reformation; and
	Machiavelli.
CO4	Taking an insight into the following: Hegel's views on Civil Society
	and State; Utopian and Scientific socialism: basic characteristics.
CO5	Examining the varieties of non-Marxist socialism: Fabianisn ^{PRINCIPAL}
	Syndicalism, Guile Socialism, German Revisionism. Arts, Commerce & Science



(Affiliated to Mumbai University)

Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org

T.Y.B.A. POLITICS (PAPER III)

SUBJECT- Politics of Modern Maharashtra

SEM-V

CO1	To understand the evolution of Maharashtra as a state.
CO2	Enrich the student with the knowledge of the History of
	Maharashtra.
CO3	Students are able to articulate the various social-political movements
	that have occurred in the political power struggle in Maharashtra.
CO4	Students are enabled to understand the power structure in the
	political strata of the state.
CO5	To enable the various process of Governance in Maharashtra.

T.Y.B.A. POLITICS (PAPER IV)

SUBJECT- Concepts in Political Sociology

SEM-V

CO1	Studying the concepts of Power, Authority and Legitimacy in the
	context o society.
CO2	Evaluating the impact of Religion on society.
CO3	Creating awareness among students about Nationalism and State
	building processes in Western Europe and third world
CO4	Classifying the different types of Political systems PRINCIPAL
CO5	Evaluating the concept and types of Political Participatiost. Wilfred's College of
	Arts, commerce & Science

(Affiliated to Mumbai University)

Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org

T.Y.B.A. POLITICS (PAPER V)

SUBJECT- International Organizations

SEM-V

CO1	Outline major international relations theories on International
	Organization.
CO2	Describe the structure and function of the main IGOs such as the
	United Nations.
CO3	Analyze the social, political, and economic influences effecting IOs.
CO4	Explain some of the current concerns to international organizations
	such as conflict, the environment, resource management, and the
	rule of law.
CO5	To identify and able to conduct research on emerging trends in
	International Law.

T.Y.B.A. POLITICS (PAPER V)

SUBJECT- Rural Local Government

SEM-V

CO1	Develop a local leadership.
CO2	Exhibit the efforts for rural development.
CO3	Apply the management and theory at local level.
CO4	Awareness of the basic governing system as well as development
	measures.
CO5	Conceptualization of the developmental process at the top to bottom
	and also in between.
ference & Second	

PRINCIPAL St. Wilfred's College of Arts, Commerce & Science



(Affiliated to Mumbai University)

Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org T.Y.B.A. POLITICS (PAPER I)

SUBJECT- India in World Politics

SEM-VI

CO1	The course seeks to equip the students with the basic concepts,
	theories, ideologies and approaches to the study of International
	Relations.
CO2	To familiarize the changing nature of power relations
CO3	To make an understanding about issues in global politics.
CO4	Explaining certain basic concepts like Globalisation in contemporary
	world order.
CO5	Evaluating the working of UN and its organs; Peace keeping
	Function and Human Rights.

T.Y.B.A. POLITICS (PAPER II)

SUBJECT- Indian Political Thought

SEM-VI

CO1	Tracing the evolution of Indian political thought from ancient India
	to modern India.
CO2	Analysing the nationalist thought of Raja Rammohun Roy.
CO3	Analysing the Gandhian Movements such as the Khilafat, Non
	Cooperation, Civil Disobedience movements.
CO4	Analysing the Working Class and Peasant movements under colonial
	rule.
CO5	Discussing the roots of communalism- Savarkar and Hindu
	Nationalism and Jimah and the two nation theory.
	PRINCIPAL

St. Wilfred's College of Arts, Commerce & Science



(Affiliated to Mumbai University)

Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org T.Y.B.A. POLITICS (PAPER III)

SUBJECT- Determinants of Politics of Maharashtra

SEM-VI

CO1	Students should have developed and insightful knowledge of the political dynamics in Maharashtra
CO2	Students should have developed a keen interest of the enduring impact and influence of the various political forces in determining the past, present and future of Maharashtra , such that they are motivated to engage with efforts to positively contribute to analysis, research and discussion of the same.
CO3	Generate a deep understanding about the factors determining the politics of Maharashtra.
CO4	Understand the Political Party System in Maharashtra
CO5	Evaluate the Civil Society Initiatives in Maharashtra.

T.Y.B.A. POLITICS (PAPER IV)

SUBJECT- Political Dynamism and Society

SEM-VI

CO1	Become aware of the society and political systems
CO2	Understand the importance of Public Opinion in Politics
CO3	Analyse the social and political processes.
CO4	Evaluate the protest movements and change in the society.
CO5	Develop abilities of students to enable them to understand and
	interpret the social reality.



Arizalla

PRINCIPAL St. Wilfred's College of Arts, Commerce & Science



(Affiliated to Mumbai University)

Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org

T.Y.B.A. POLITICS (PAPER IV)

SUBJECT- International and Regional Organizations

SEM-VI

CO1	Understand the Regional Organizations and Trans Continental
	Groups in the World.
CO2	Examine the Role of India in Regional Organizations.
CO3	Develop the basic understanding about policy making for the nations
	of the world through the Regional and Trans-Continental Groups.
CO4	Understand the relevance of Regional Organizations.
CO5	Understand the issues of Global Governance vis-à-vis the systems of
	Regional Organizations.

T.Y.B.A. POLITICS (PAPER V)

SUBJECT- Urban Local Government

SEM-VI

CO1	Understand the Local Solf Covernance in the Urban areas of the
COI	Understand the Local Self Governance in the Urban areas of the
	nation.
CO2	Learn about the challenges faced by the Urban Administration in
	implementing various policies like Pollution Control.
CO3	Evaluate the contemporary issues in Urban Administration.
CO4	Examine the various Development Schemes in the Urban areas. Us
CO5	Conceptualization of the developmental process at the top topologication and also in between St. Wilfred's College of
	and also in between St. Wilfred's College of



(Affiliated to Mumbai University)

Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org

F.Y. B.A. ECONOMICS (PAPER I)

SUBJECT- MICROECONOMICS

SEMESTER I

CO1	Analyze about Traditional and Modern Definitions of economics.
CO2	Understand about Methodology in economics.
CO3	Analyze the performance of firms under different market structures.
CO4	Use economic analysis to evaluate controversial issues and policies.
CO5	Evaluate the factors affecting firm behavior, such as production and
	costs.

F.Y.B.A. / F.Y.B.Sc ECONOMICS (PAPER II)

SUBJECT-MACRO ECONOMICS

SEMISTER II

CO1	Compute different measures of macroeconomic activity such as the
	national income accounts, inflation, and unemployment, and
	evaluate the shortcomings of traditional economic measures.
CO2	Analyze the forces that affect the aggregate level of economic
	activity and the business cycle using AD-AS analysis.
CO3	Recognize how monetary and fiscal policy can be used to achieve
	policy goals.
CO4	Evaluate the determinants of international trade and financial flows.
CO5	Identify the social consequences of national and international
	economic activity

PRINCIPAL St. Wilfred's College of Arts, Commerce & Science



(Affiliated to Mumbai University)

Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org S.Y.B.A. ECONOMICS(Paper I)

SUBJECT- Demography

Semester - III

CO1	Gain a sound command over the basic tenets of demography as well as key demographic issues and illustrations in the context of a large and diverse country like India.
CO2	Grasp a clear understanding of the inter-relationship between demography and the process of economic development.
CO3	Comprehend the basic components of population (fertility, mortality, migration).
CO4	To study established theories of population.
CO5	To explore various aspects of the population policy and to study its impact on socio economic issues.

S.Y.B.A. ECONOMICS(Paper IV)

SUBJECT-Public Finance

Semester - III

CO1	Understanding of the economic concepts of public finances.
CO2	Able to use diagrammatic analysis to demonstrate and compare the economic welfare effects of various government policy options.
CO3	Understand of the usefulness and problems related to government revenues and expenditures.
CO4	Understand government taxes: direct and indirect taxes.
CO5	Familiarise students with the main issues in government expenditure.

PRINCIPAL St. Wilfred's College of Arts, Commerce & Science



(Affiliated to Mumbai University)

Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org

S.Y.B.A. ECONOMICS(Paper III)

SUBJECT-MACRO ECONOMICS

Semester - III

CO1	To analyze the Behavior Pattern of the Firms.
CO2	To comprehend the various objective of the Firms-Traditional and
	Modern.
CO3	To be aware about Price determination of firms under different
	market structures Perfect and Imperfect Market.
CO4	To grasp knowledge regarding Different Pricing Strategy.
CO5	To have a better awareness regarding different Factor Pricing Rent,
	Wages, Interest, Profit.

S.Y.B.A. ECONOMICS (Paper II)

SUBJECT- Demography

Semester - IV

000005.8°

CO1	Understand the basics of demography.
CO2	Understand the core social demographic variables, and how these
	variables influence population growth, composition, and structure.
CO3	Use demographic tools in understanding public health issues
	Knowledge attitude and practices.
CO4	Discuss global demographic regimes and impact on public health.
CO5	Identify appropriate sources of data, perform basic demographic
	analyses using various techniques and ensure their comparability
	across populations.
	Rote & Sciences
	PRINCIPAL St. Wilfred's College

Where the mind is without fear! where the head is held high!

Arts, Commerce & Science



(Affiliated to Mumbai University)

Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org

S.Y.B.A. ECONOMICS (Paper V)

SUBJECT-MACRO ECONOMICS

Semester - IV

CO1	Provide students with a solid understanding of macroeconomics at the intermediate level.
CO2	Understand the theories of growth and their implications for policy.
CO3	Understand application of macroeconomic analysis to the study of economic problems such as inflation, unemployment, budget deficit and many more.
CO4	Familiarize with current macroeconomic data and its relevance.
CO5	Enable students to understand business cycles and the concomitant role of policies.

S.Y.B.A. ECONOMICS (Paper VI)

SUBJECT- Indian Economy

Semester – IV

CO1	To comprehend the basic characteristics of economic development
	and economic growth.
CO2	To understand the indices of economic development.
CO3	To analyse the demographic trends in India.
CO4	To understand the causes and measures of poverty inequalities and
CO5	To study the various economic and social issues of the India RRINCIPAL St. Wilfred's College pr
	economy and compare with the other countries. St. Wilfred's College bi



(Affiliated to Mumbai University)

Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org

T.Y.B.A. ECONOMICS (Paper VII)

SUBJECT- ADVANCED MICROECONOMICS

Semester - V

CO1	Enables students to get knowledge on new market structure,
	imperfect competition.
CO2	Provides understanding on the welfare economics and economics of
	information.
CO3	Acquaintance with game theory.
CO4	Evaluate and assess market failure induced by externalities and
	asymmetric information.
CO5	Advanced Economic Theory will able to aware the students on
	modern and recently developed economic theories on micro
	economics, macro economics, trade, finance, and growth and
	economic development.

T.Y.B.A. ECONOMICS (Paper VIII)

SUBJECT- ECONOMICS OF GROWTH AND DEVELOPMENT

Semester-V

CO1	Enable students to apply and analyse issues in the development
	process.
CO2	Students will be able to identify the issues related to Growth and
	Development.
CO3	Students will be able to understand the policy options and analyzed
	the Measures taken for the Development of an economy.
CO4	Understand the growth experience of different nations across the
	globe that can help evaluate these models.
CO5	Understand the political institutions and their relationshipt. Whited's College of
	economic performance. Arts, Commerce & Science



(Affiliated to Mumbai University)

Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org

T.Y.B.A. ECONOMICS (Paper IX)

SUBJECT- INDIAN FINANIAL SYSTEM-I

Semester - V

Empowering students about Indian Financial system, indicators of
financial development and overview of financial sector reforms.
Awareness on performance, progress and issues in Indian Banking
and overview of non-banking institutions in India.
The course leads to project work/ case studies based on empirical
examples such as: Management of NPAs by banks, performance
analysis of commercial banks, financial instruments- comparative
analysis, performance of NBFIs.
Understand how real life investment decisions are made.
Able to comprehend business news/articles better.

T.Y.B.A. ECONOMICS (Paper X)

SUBJECT- ENTREPRENEURSHIP & SMALL SCALE INDUSTRIES

Semester - V

CO1	Nurture the qualities of successful entrepreneurship.
CO2	Provides them knowledge about various processers to register for small scale industries which results in successful maintenances of
	such industries.
CO3	Students will be able to demonstrate the procedure to set up a new
	venture by proving insights into how to identify business
	opportunities in major group of industries and what are the
	government initiatives for small scale industry.
CO4	Student will be able to explain actions required to enhance
	entrepreneurial growth and role of venture capital in above.
CO5	Student will be able to identify and deal with the problems
	associated with entrepreneurship like succession, innovation
	changes, et a
	Arts, Commerce & Science



(Affiliated to Mumbai University)

Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org T.Y.B.A. ECONOMICS (Paper XI)

SUBJECT- ENVIRONMENTAL ECONOMICS-I

Semester - V

CO1	On the completion of this course, the student will have a good
	understanding of contemporary environmental issues and their
	relation to economic development.
CO2	The learner will be equipped to understand the methodologies and
	tools of valuing the environment.
CO3	In the light of international environmental agreements, the learners
	will be able to understand the global approaches and policies
	adopted by India to deal with the environmental issues.
CO4	Analyse the alternative policy measures to deal with environmental
	issues.
CO5	Compare the alternative valuation techniques for nonmarket
	environmental resources.

T.Y.B.A. ECONOMICS (Paper XII)

SUBJECT- HISTORY OF ECONOMIC THOUGHT-I

Semester - V

CO1	Students will get information about the genesis of Economics and its
	modern scenario.
CO2	Establish the co-relation of Economics with other subjects.
CO3	Develop a chronological understanding of the development of
	economic thought Relate the developments in different schools of
	thought with contemporary issues
CO4	Learn about controversies between the various theoretical
	approaches.
CO5	Able to understand economics in effective manner and can compare
	the different theories of the economists from the classical to the PRINCIPAL
	modern.
	Arts, Commerce & Scien

(Affiliated to Mumbai University)

Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org

T.Y.B.A. ECONOMICS (Paper XIII)

SUBJECT- ADVANCED MACROECONOMICS

Semester - VI

CO1	To make students aware about Post Keynesian Synthesis and
	understand various aspects of Trade Cycles.
CO2	Students will be able to describe the contemporary Exchange Rate
	Regimes and International Monetary System.
CO3	Be able to indentify leading indicators of most macroeconomic
	variables.
CO4	Understand main factors behind different economic growth rates
	across the world and how governments can influence growth.
CO5	Understand relationship between macroeconomic variables and
	financial markets.

T.Y.B.A. ECONOMICS (Paper XIV)

SUBJECT- INTERNATIONAL ECONOMICS

Semester - VI

CO1	Students will be able to understand the trade theories and
	determinants of trade which helps them to analyze the international
	trade policies.
CO2	Students will be able to understand the role of various international
	institutions and trade blocks and their approaches in framing the
	policies for trade.
CO3	Ability to evaluate trade policies with reference to effective gain and
	world welfare. Comprehension of impediments to free and fair trade
	in real world.
CO4	Familiarity with issues that dominate the international financial
	system.
CO5	Understanding the working of international monetary system & allo
	institutions (S PRINCIPAL
	St. Wilfred's College of
	Arts, Commerce & Scie

(Affiliated to Mumbai University)

Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org T.Y.B.A. ECONOMICS (Paper XV)

SUBJECT- INDIAN FINANCIAL SYSTEM-II

Semester - VI

CO1	Focuses on features and functioning of financial markets as well as reforms therein.
CO2	Empowers students about the evolution and significance of financial services, overview of new products and practices in the provision of financial services.
CO3	Project work based on empirical case studies involving data analysis; suggestive examples: equity research, derivative pricing, analysis of financial performance of corporates, study of capital structure of corporates, mapping the trends in stock market indices, CIBIL score & lending practices of banks.
CO4	Students studies non-banking financial institutions, their role in financial system, sources of finance and RBI guidelines.
CO5	Students learn the concept of micro finance and its importance in rural economy

T.Y.B.A. ECONOMICS (Paper XVI)

SUBJECT- RURAL DEVELOPMENT

Semester - VI

CO1	On the completion of the course, the students will be able to
	understand the basic Concept of rural development.
CO2	Learners will also be understanding objectives and importance of
	rural development.
CO3	Learners will have good understanding of problems in relation of
	rural development.
CO4	Learners will come to know what rural development programmes
	have initiated by the government to overcome the problems of rural
	development,
CO5	Students aware about Definition, Concepts, Nature Scope of Rural
	development St. Wilfred's College
	Arts, Commerce & Science

(Affiliated to Mumbai University)

Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org T.Y.B.A. ECONOMICS (Paper XVII)

SUBJECT- ENVIRONMENTAL ECONOMICS - II

Semester - VI

CO1	Students are empowered about the environmental challenges and the need for environmental accounting.
CO2	Develop understanding on the policy measures to attain SDGs.
CO3	Understand the linkage between the economy and the environment.
CO4	Theoretically understand the causes of environmental problems.
CO5	Understand the nexus between trade, globalisation, environmental issues & sustainable development.

T.Y.B.A. ECONOMICS (Paper XVIII)

SUBJECT-HISTORY OF ECONOMIC THOUGHT-II

Semester – VI

CO1	Students will get information about the genesis of Economics and its modern scenario.
CO2	Students get familiarized with the leading Indian economists who
	significantly contributed to the stream of Indian economic thought.
CO3	Discuss the impact of the nature of man on property arrangements
CO4	Discuss the role of the government in the economy
CO5	Outline the role, if any, of ethics/morality in Economics



indla

PRINCIPAL St. Wilfred's College of Arts, Commerce & Science



(Affiliated to Mumbai University)

Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org

F.Y.B.A English(PAPER I)

SUBJECT- Communication Skills in English

Semester - I

CO1	Develop knowledge, skills, and judgment around human
	communication that facilitate their ability to work collaboratively
	with others.
CO2	Understand and practice different techniques of communication
CO3	Practice and adhere to the 7Cs of Communication
CO4	Familiarize with different types of Communication
CO5	Understand and practice Interview Etiquettes

F.Y.B.A English(PAPER I)

SUBJECT- Communication Skills in English

Semester – II

CO1	Apply Verbal and Non-Verbal Communication Techniques in the
	Professional Environment.
CO2	Identify Common Errors and Rectify Them.
CO3	Develop and Expand Writing Skills through Controlled and Guided
	Activities
CO4	To Develop Coherence, Cohesion and Competence in Oral
	Discourse through Intelligible Pronunciation
CO5	Prepare and present effective presentations aided by ICT tools.
	PRINCIPAL

St. St. College of Miles

PRINCIPAL St. Wilfred's College of Arts, Commerce & Science



(Affiliated to Mumbai University)

Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org



indla

PRINCIPAL St. Wilfred's College of Arts, Commerce & Science

ST.WILFRED'S COLLEGE OF ARTS, COMMERCE & SCIENCE (Affiliated to Mumbai University)

Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org

BECHELOR OF SCIENCE COURSE OUTCOMES B.Sc.-I (CHEMISTRY) **USCH 101**

CO1	Concept of heat (q), work (w), internal energy (U), enthalpy, heat capacity, relation between heat capacities, sign conventions,
	calculations of heat, work, internal energy and enthalpy (H).
CO2	Methods of expressing concentration of solutions: Normality,
	Molarity, Formality, Mole fractions, Weight ratio, Volume ratio,
	Weight to volume ratio, ppm, ppb, millimoles, milliequivalents,
	Preparation of solutions.
CO3	Historical perspectives of the atomic structure
CO4	Classification and Nomenclature of Organic Compounds
CO5	Bonding and Structure of organic compounds

B.Sc.-I (CHEMISTRY)

USCH 102

CO1	Rate of reaction, rate constant, measurement of reaction rates, order and molecularity of reaction, Integrated rate equation of first order and Second order reactions
CO2	Metallic and non-metallic nature, oxidation states, electronegativity, anomalous behavior of second period elements, allotropy, catenation, diagonal relationship
CO3	Comparative chemistry of oxides and hydroxides of group I and group II elements
CO4	Geometrical isomerism in alkene and cycloalkanes
CO5	Relative and absolute configuration: D/L and R/S designations. Conformational analysis of alkanes (ethane, propane and n-butane); Relative stability with energy diagrams



friedla

PRINCIPAL St. Wilfred's College of Arts, Commerce & Science



Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org

USCH 201

CO1	Chemical Equilibria and Thermodynamic Parameters
CO2	Testing of Gaseous Evolutes, Role of Papers impregnated with
	Reagents in qualitative analysis;
CO3	Solute concept of acids and bases, Usanovich concept, Hard and Soft
	acids and bases, Applications of HSAB.
CO4	Chemistry of alkanes: Formation of alkanes, Wurtz Reaction, Wurtz-
	Fittig reaction, free radical substitutions: Halogenation - relative
	reactivity and selectivity
CO5	Formation of alkenes and alkynes by elimination reactions.

B.Sc.-I (CHEMISTRY)

USCH 202

CO1	Strong and weak electrolytes, degree of ionization, factors affecting
	degree of ionization, Ionization constant and ionic product of water,
	Ionization of weak acids and bases;
CO2	Laws of photochemistry, Quantum yield or efficiency, experimental
	determination of quantum yield, Reasons for low and high quantum
	yield, Primary and secondary processes.
CO3	Types of chemical bond, comparison between ionic and covalent
	bonds
CO4	Types of cycloalkanes and their relative stability, Baeyer strain
	theory, Conformational analysis of cyclohexane: Chair, Boat and
	Twist boat forms; Relative stability with energy diagram.
CO5	Hackle's rule, anti-aromaticity, aromatic character of arenas, cyclic
	carbocations/ carbanions and heterocyclic compounds with suitable
	examples.



finalla

PRINCIPAL St. Wilfred's College of Arts, Commerce & Science



Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org

B.Sc.-II (CHEMISTRY) **USCH 301**

CO1	Free Energy Functions: Helmholtz Free Energy, Gibb's Free Energy,
	Variation of Gibb's free energy with Pressure and Temperature.
CO2	Ionic Bond: Conditions for the Formation of Ionic Bond. Types of
	Ionic Crystals
CO3	Comparing Atomic Orbitals and Molecular Orbitals.
CO4	Reactions and reactivity of halogenated hydrocarbons
CO5	Alcohols, phenols and epoxides

B.Sc.-II (CHEMISTRY) **USCH 302**

CO1	Introduction to reaction mechanism (concept of elementary steps, intermediates, and the overall reaction mechanism with an example of Thermal chain reactions: H2. and Br2. reaction
CO2	Basic Terms: Macromolecule, monomer, repeat unit,
	Polymerization, (addition and condensation polymerization) Degree
	of Polymerization
CO3	p-block elements
CO4	General mechanism of nucleophilic addition, and acid-catalyzed
	nucleophilic addition reactions.
CO5	Mechanisms of following reactions: Benzoin condensation,
	Knoevenagel condensation, Claisen Schmidt and Cannizzaro
	reaction.

B.Sc.-II (CHEMISTRY) **USCH 303**

CO1	Able to Decide how to identify a sample and prepare it for analysis
CO2	Able to Identify sources of possible errors in the results obtained
CO3	Introduce classical methods of chemical analysis
CO4	Know the various instrumental methods of analysis. Advantages of using instruments to make measurements
CO5	Use the relationship between absorbance (and its variations) and
	concentration of the analyte.



friedla

PRINCIPAL St. Wilfred's College of Arts, Commerce & Science

Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org

B.Sc.-II (CHEMISTRY) **USCH 401**

CO1	Electrochemical cells, Nernst equation and its importance in generating electricity through chemical reactions. Types of electrochemical cells - Reversible and irreversible cells
CO2	Derivation of Clausius – Clapeyron equation and its importance in phase equilibria
CO3	Qualitative tests for transition metal ions: General considerations indevising tests (with reference to Chromium, Manganese, Iron, Cobalt Nickel and Copper)
CO4	Nomenclature, structure and physical properties, acidity of carboxylic acids, effects of substituents on acid strength of aliphatic and aromatic carboxylic acids.
CO5	Mechanism of Claisen condensation and Dieckmann condensation

B.Sc.-II (CHEMISTRY) USCH 402

CO1	Types of catalysis, catalytic activity, specificity and selectivity, inhibitors, catalyst poisoning and deactivation
CO2	Classification of cations on the basis of acidity category – Non- acidic, Moderately acidic, strongly acidic, very strongly acidic with pKa values range and examples
CO3	Physical properties of concentrated oxo-acids like sulfuric, Nitric and Phosphoric acid
CO4	Classification, nomenclature of 5- and 6-membered rings containing one heteroatom
CO5	Pyridine: Basicity. Comparison of basicity of pyridine, pyrrole and piperidine. Sulphonation of pyridine (with and without catalyst), reduction and action of sodamide (Chichibabin reaction)



friedla

PRINCIPAL St. Wilfred's College of Arts, Commerce & Science



Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org

B.Sc.-II (CHEMISTRY)

USCH 403

CO1	Principle of solvent extraction and various terms involved therein.
CO2	Classification of Chromatographic methods.
CO3	Expected to appreciate the nature of interaction between applied
	electrical potential and the concentration of the analyte.
CO4	Expected to know the applications of the various instrumental
	methods dealt with in this unit.
CO5	Computation of Confidence limits and confidence interval.

B.Sc.-III (CHEMISTRY)

USCH 501: Physical Chemistry

CO1	Rotational Spectrum, Vibrational spectrum
CO2	Vibrational-Rotational spectrum of diatomic molecule
CO3	Raman Spectroscopy, Colligative properties
CO4	Solutions of Solid in Liquid.
CO5	3 Osmotic Pressure, Collision theory of reaction rates

B.Sc.-III (CHEMISTRY)

USCH 502: Inorganic Chemistry

	c ·
CO1	Importance of Symmetry in Chemistry
CO2	Comparision between homonuclear and heteronuclear diatomic molecules.
CO3	Heteronuclear diatomic molecules like CO, NO and HCl, appreciation of modified MO diagram for CO.
CO4	Position in periodic table and electronic configuration of lanthanides and actinides.
CO5	Applications of lanthanides



friedla

PRINCIPAL St. Wilfred's College of Arts, Commerce & Science



Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org

B.Sc.-III (CHEMISTRY)

USCH 503: Organic Chemistry

CO1	The basic terms & concepts: bond fission, reaction intermediates,
	electrophiles & nucleophiles, ligand, base, electrophilicity vs. acidity
	& nucleophilicity vs basicity.
CO2	Difference between thermal and photochemical reactions. Jablonski
	diagram, singlet and triplet states, allowed and forbidden transitions,
	fate of excited molecules, photosensitization.
CO3	Molecular chirality and elements of symmetry: Mirror plane
	symmetry, inversion center, roation-refelction (alternating) axis.
CO4	General introduction & scope, meaning & examples of insecticides,
	herbicides, fungicide, rodenticide, pesticides, plant growth regulators.
CO5	Reactivity of pyridine-N-oxide, quinoline and iso-quionoline.

B.Sc.-III (CHEMISTRY)

USCH 601: Physical Chemistry

	· ·
CO1	Activity and Activity Coefficient Classification of cells
CO2	Polarization, Decomposition Potential and Overvoltage
CO3	Classification of polymers, Molar masses of polymer
CO4	Method of determining molar masses of polymers
CO5	Light Emitting Polymers, Antioxidants and Stabilizers

B.Sc.-III (CHEMISTRY)

USCH 602: Inorganic Chemistry

CO1	Crystal Field Theory and effect of crystal field on central metal valence orbitals in various geometries from linear to octahedral
CO2	Crystal field splitting parameters Δ ; its calculation and factors
	affecting it in octahedral complexes, Spectrochemical series.
CO3	General steps of metallurgy; Concentration of ore, calcinations,
	roasting, reduction and refining.
CO4	General characteristics and trends in physical and chemical
	properties
CO5	Essential and non essential elements in biological systems.



friedla

PRINCIPAL St. Wilfred's College of Arts, Commerce & Science



Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org

B.Sc.-III (CHEMISTRY) USCH 603: Organic Chemistry

CO1	Stereoselectivity and stereospecificity
CO2	Amino acids & Proteins
CO3	Migration to the electron deficient carbon: Pinacol-pinacolonerearrangement
CO4	Introduction: classification, reducing and non-reducing sugars, DL Notification
CO5	Stereoisomers of D-glucose: enantiomer, diastereomers, anomers, epimers.



findla

PRINCIPAL St. Wilfred's College of Arts, Commerce & Science

(Affiliated to Mumbai University)

Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org

BECHELOR OF SCIENCE COURSE OUTCOMES B.Sc.-I (MATHEMATICS) USMT101: CALCULUS-I

CO1	Understand and evaluate limits of functions, both graphically and analytically.
CO2	Able to apply differentiation to solve problems in various contexts, including optimization, related rates, and curve sketching.
CO3	Understand the concept of integration and be able to compute definite and indefinite integrals using techniques like substitution, integration by parts, trigonometric substitution, and partial fractions.
CO4	Understand and be able to apply the fundamental theorems of calculus, including the relationship between differentiation and integration.
CO5	Develop analytical and critical thinking skills through problem-solving, reasoning, and understanding mathematical concepts.

B.Sc.-I (MATHEMATICS) USMT102: ALGEBRA-I

CO1	Solid understanding of fundamental algebraic concepts such as variables,
	constants, expressions, equations, inequalities, and functions.
CO2	Solving linear equations, quadratic equations, polynomial equations, rational
	equations, radical equations, and absolute value equations.
CO3	Solve systems of linear equations and inequalities using various methods such
	as substitution, elimination, and matrices.
CO4	Understand polynomial factorization and the relationship between roots and
	factors.
CO5	Able to graph various types of functions, including linear, quadratic, polynomial,
	rational, exponential, and logarithmic functions.

B.Sc.-I (MATHEMATICS) USMT201: CALCULUS-II

CO1	To learn basic properties of real numbers and its subsets which is backbone of Real Analysis.
CO2	To study functions in detail which is a fundamental structure in all sciences, and to be able to check continuity of a function.
CO3	To apply notion of derivative in mean value theorem and also in higher order derivatives which arise in all applied sciences
CO4	To be able to solve first order and first degree differential equations.
CO5	Solving higher-order linear differential equations with constant coefficients.

B.Sc.-I (MATHEMATICS) USMT202: DISCRETE MATHEMATICS

CO1	Understanding of fundamental concepts in discrete mathematics, including	
	sets, relations, functions, logic, and proof techniques.	
CO2	Understand functions, including injective, surjective, and bijective functions.	
CO3	Understand basic counting principles such as permutations, combinations to rege of	
	pigeonhole principle and the principle of inclusion-exclusion. Arts, Commerce & Science	



CO1

ST.WILFRED'S COLLEGE OF ARTS, COMMERCE & SCIENCE

(Affiliated to Mumbai University)

Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org

CO4	Understand relations and digraphs, including properties of relations such as
	reflexivity, symmetry, and transitivity.
CO5	Understand basic concepts of probability theory in discrete settings, including
	sample spaces, events, probability distributions, conditional probability,
	independence, and expected value.

B.Sc.-II (MATHEMATICS)

USMT301: Calculus III

CO1	Concepts of differential equations, including separable differential equations, first-order linear differential equations.
CO2	Methods for solving higher-order linear differential equations with constant coefficients.
CO3	Concepts of multivariable calculus, including partial derivatives, gradients, directional derivatives.
CO4	Double and triple integrals, line integrals, surface integrals, and vector calculus.
CO5	Learn to approach problems systematically and develop creative solutions.

B.Sc.-II (MATHEMATICS)

USMT302: Linear Algebra I

CO1	Concept of Vector space over a field: Examples, concepts of Linear combinations, linear dependence and independence of a finite number of vectors.	
CO2	Sub- space, concepts of generators and basis of a finite dimensional vector space.	
CO3	Replacement theorem. Extension theorem. Deletion theorem and their applications.	
CO4	Row space, column space.	
CO5	Euclidean Spaces. Orthogonal and orthonormal vectors. Gram-Schmidt process of orthogonalization.	

B.Sc.-II (MATHEMATICS)

USMT303: ORDINARY DIFFERENTIAL EQUATIONS

CO1	Understanding of what ordinary differential equations are, including the distinction between ordinary and partial differential equations, as well as the basic concepts of solutions, order, linearity, and nonlinearity.	
CO2	Their properties, such as order, linearity, homogeneity, and degree. Understanding the significance of classifying equations for choosing appropriate solution methods.	
CO3	Understanding the concepts of existence and uniqueness of solutions to initial value problems, and familiarity with theorems such as the Picard-Lindelöf theorem.	
CO4	Analyzing ordinary differential equations, such as MATLAB, Mathematica, Python with libraries like SciPy, etc.	
CO5	Ability to effectively communicate mathematical ideas, reasoning, and solutions both orally and in written form.	
	B So -II (MATHEMATICS) PRINCIPAL	

B.SoII (MATHEMATICS)	PRINCIPAL St. Wilfred's College of Arts. Commerce & Science
Understanding of functions of several variables.	



(Affiliated to Mumbai University)

Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 + E-mail:stwilfred.acs@gmail.com + website : www.stwilfreds.org Ph. No. +91-8655678500, 9699625148 • College Code 1033

CO2	Concepts such as domains, ranges, level curves, and level surfaces.	
CO3	Partial differentiation techniques, including computing partial derivatives,	
	gradients, directional derivatives, and higher-order partial derivatives	
CO4	Learn techniques for multiple integration, including iterated integrals, double	
	integrals, triple integrals.	
CO5	Applications such as computing volumes, surface areas, centroids, and	
	moments of inertia.	

B.Sc.-II (MATHEMATICS)

USMT402 Linear Algebra II

CO1	Linear transformations. Null space. Range, rank and nullity of a linear transformation	
CO2	Matrix representation of a linear transformation, algebra of linear transformations.	
CO3	Eigenvalues, eigen vectors and characteristic equation of a matrix. Matric polynomials.	
CO4	Cayley Hamilton theorem and its use in finding the inverse of a matrix	
CO5	Diagonalization, Canonical forms.	

B.Sc.-II (MATHEMATICS)

USMT403A: Numerical methods (Elective A)

CO1	To learn to apply the various numerical techniques for solving real life problems.
CO2	The problems which cannot be solved by usual formulae and methods can be solved approximately by using numerical techniques.
CO3	To fit curve to the data by using 5 different methods of interpolation as well as extrapolation.
CO4	To find approximate solutions to difficult differential equations occurring in engineering sciences.
CO5	Newton's method, secant method, and methods for finding multiple roots or roots of polynomials.

B.Sc.-II (MATHEMATICS)

USMT403B: Statistical methods and their applications (Elective B)

CO1	Understanding of fundamental statistical concepts, including descriptive
	statistics, probability distributions, hypothesis testing, confidence intervals, and
	basic principles of experimental design.
CO2	Applying various statistical techniques, including parametric and non-
	parametric methods, analysis of variance
CO3	Regression analysis, correlation analysis, and time series analysis.
CO4	Principles of experimental design, including randomized controlled trials,
	factorial designs, and blocking designs.
CO5	Understand how to analyze data from designed experiments using appropriate
	statistical methods see



`1 B.Sc.-III (MATHEMATICS)

PRINCIPAL St. Wilfred's College of Arts, Commerce & Science



Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org

CO1	Line integrals, surface integrals, Green's theorem, divergence theorem, and Stokes' theorem.
CO2	Understand the geometric interpretations of these concepts and their applications in physics and engineering.
CO3	Cartesian coordinates, polar coordinates, cylindrical coordinates, and spherical coordinates.
CO4	learn about parametric representations of surfaces and curves in three- dimensional space.
CO5	Applications of multivariable calculus in science and engineering, including physics, engineering, economics, biology, and computer graphics.

B.Sc.-III (MATHEMATICS) USMT502: Group Theory

CO1	Understanding of the fundamental concepts of group theory.
CO2	Study different types of groups, including finite groups, cyclic groups, groups, subgroups, group operations, group homomorphisms, and isomorphisms.
CO3	Groups, subgroups, group operations, group homomorphisms, and isomorphisms.
CO4	Learn about various properties and theorems related to groups, such as closure, associativity, identity element, inverse element, Lagrange's theorem, and the isomorphism theorems.
CO5	Permutation groups, dihedral groups, symmetric groups, matrix groups, and their properties.

B.Sc.-III (MATHEMATICS) USMT503[,] Topology of Metric Spaces

USINT 505. Topology of Metric Spaces
To equip students with basic mathematical tools such as open & close sets.
Continuity, connectedness, compactness which can be used to study general topology and real & complex analysis
To enhance abstract thinking and visualization of students.
To generalize the notion of distance, convergent sequence and continuity of functions.
To increase problem solving ability by solving examples and counter white boliege of of various concepts involved.

(Affiliated to Mumbai University)

Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org

B.Sc.-III (MATHEMATICS)

USMT5A4: Partial Differential Equations (Elective A)

CO1	To understand the concept of Ordinary differential Equations in more than two variables
CO2	To learn the application of Ordinary differential Equations through method to find Orthogonal Trajectories
CO3	Introduction of first order Partial Differential Equations.
CO4	Learn methods to solve first order Partial Differential Equations.
CO5	Solve first order liner Partial Differential Equations.

B.Sc.-III (MATHEMATICS)

USMT5B4: Number Theory and Its applications I (Elective B)

CO1	Understanding of the fundamental concepts of number theory, including divisibility, prime numbers, congruences, modular arithmetic, and basic properties of integers.
CO2	Learn about Diophantine equations and their solutions, including linear Diophantine equations, Pell's equation.
CO3	Fermat's Last Theorem, its history, and its proof.
CO4	Euler's totient function, and the Mobius function.
CO5	Learn about properties of these functions and their applications in number theory.

B.Sc.-III (MATHEMATICS)

USMT5C4: Graph Theory (Elective C)

CO1	To introduce the concept of Graphs, which is an important tool for Mathematical Modeling?
CO2	To study different types of graphs and operations on graphs
CO3	To study the concept of trees in detail and algorithms to find special spanning trees
CO4	To study Directed Graphs and its applications
CO5	Problem-solving approaches and solutions.

B.Sc.-III (MATHEMATICS)

	USMT5D4: Basic Concepts of Probability and Random Variables (Elective D)
CO1	Understanding of the fundamental concepts of probability theory, including
	sample spaces, events, probability axioms, probability distributions, and basic
	probability rules such as the addition rule and multiplication rule.
CO2	Common probability distributions, including the binomial distribution, Poisson
	distribution, geometric distribution, uniform distribution, normal distribution,
	exponential distribution and their properties.
CO3	Apply each distribution and how to calculate probabilities and expected Values St. Wilfred's College p
	associated with them, St. Wilfred's College b
CO4	Learn about joint probability distributions, conditional probability, and



(Affiliated to Mumbai University)

Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org

	independence of events, conditional probability distributions, and Bayes'
	theorem.
CO5	Understand how to compute joint probabilities and conditional probabilities in
	various scenarios.

B.Sc.-III (MATHEMATICS) USMT601: BASIC COMPLEX ANALYSIS

CO1	To learn basic algebraic properties of complex numbers and limit and continuity of Complex functions.
CO2	To learn analytic functions and the C-R equations as its necessary and sufficient conditions.
CO3	To learn tools which are useful in finding integration of Complex valued functions.
CO4	To learn sequences and series of Complex valued functions.
CO5	To learn applications of residues and poles in integrals of complex functions

B.Sc.-III (MATHEMATICS)

USMT602: Ring Theory

	o ,	
CO1	To study the algebraic structure Ring in detail through various examples	
CO2	To learn the construction of field of quotients of an integral domain	
CO3	To study the Rings of polynomials and its factorization over a field	
CO4	To study the notion of ideals and factor rings with examples.	
CO5	To study Unique Factorization domain, Euclidean Domain and related results	

B.Sc.-III (MATHEMATICS)

USMT603: Topology of Metric Spaces and Real Analysis

	bown boo. Topology of Methe Opaces and Real Analysis	
CO1	To learn basic techniques and examples in analysis to be well prepared for	
	courses like Topology, Measure theory and Functional analysis.	
CO2	To study various types of sets and relations, and concept of countable and uncountable	
CO3	To study concept of sequence and series and hence find sum of infinite terms with different methods.	
CO4	To study notion of lub and glb which helps to learn integrations which helps to find area under any functions.	
CO5	To study convergence, continuity, homeomorphisms, connectedness, and	
	compactness, particularly within the context of metric spaces.	

B.Sc.-III (MATHEMATICS)

USMT6A4: Integral Transforms (Elective A)

	5 5 1 1 1 1 1 1 1 1 1 1	
CO1	To learn the evaluation of Laplace transform of different types of functions, their	
	derivatives and integrations.	
CO2	To learn the evaluation of Inverse Laplace transform of functions, their	
	derivatives and integrations, and to learn application of Convolution theorem.	
CO3	To learn to apply Laplace Transform to solve Ordinary Differential equations	
	with constant operficients.	
CO4	To learn to evaluate the Fourier series of various even and odd functions. College of	
CO5	Arts, Commerce & Science	



(Affiliated to Mumbai University)

Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org

B.Sc.-III (MATHEMATICS)

USMT6B4: Number Theory and Its applications II (Elective B)

	2 11 ()	
CO1	Develop a report that describes the model and the solving technique, analyze the results and propose recommendations in language understandable to the decision-making processes in Management Engineering	
CO2	Understand the definitions of congruence, residue classes and least residues add and subtract integers, modulo n, multiply integers and calculate powers, modulo n	
CO3	Application based on Diophantine and Chinese remainder theorem and operational research.	
CO4	About number the theoretic functions and modular arithmetic.	
CO5	The Law of Quadratic Reciprocity and other methods to classify numbers as primitive roots, quadratic residues, and quadratic non-residues.	
	B.ScIII (MATHEMATICS)	

USMT6C4: Graph Theory and Combinatorics (Elective C)

CO1	Types of graphs: Directed graphs, undirected graphs, weighted graphs, etc
CO2	Graph representations: Adjacency matrix, adjacency list, incidence matrix, etc.
CO3	Graph properties: Connectivity, cycles, paths, trees, planarity, coloring, matching, etc.
CO4	Graph algorithms: Depth-first search (DFS), breadth-first search (BFS), shortest path algorithms, minimum spanning tree algorithms.
CO5	Graph traversal algorithms, etc.

B.Sc.-III (MATHEMATICS)

	USM16D4: Operations Research (Elective D)
CO1	Develop linear programming (LP) models for shortest path, maximum flow, minimal spanning tree, critical path, minimum cost flow, and transshipment problems.
CO2	Understand the mathematical tools that are needed to solve optimization problems
CO3	Formulate pure, mixed, and binary integer programming models.
CO4	Formulate the nonlinear programming models.
CO5	Use some solution methods for solving the nonlinear optimization problems



Friedla

PRINCIPAL St. Wilfred's College of Arts, Commerce & Science



Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org

BECHELOR OF SCIENCE COURSE OUTCOMES B.Sc.-I (PHYSICS)

USPH101-Classical Physics

CO1	understanding of Newton's laws of motion, conservation principles (like conservation of energy and momentum), and the principles of gravity and electromagnetism.
CO2	behavior of waves, sound, and oscillatory systems, providing insights into phenomena such as resonance, interference, and wave propagation.
CO3	principles of thermodynamics, including concepts such as pressure, buoyancy, heat transfer, and ideal gas laws.
CO4	advanced studies in physics and related fields, such as quantum mechanics, statistical mechanics, and electromagnetism.
CO5	principles learned in classical physics are widely used in engineering applications

B.Sc.-I (PHYSICS) USPH102-Modern Physics

	, ,
CO1	understanding of the principles and concepts of quantum mechanics, including wave-particle duality, the uncertainty principle, quantum states, operators, and measurements.
CO2	understand the structure and properties of atomic nuclei, radioactive decay processes, nuclear reactions, and nuclear energy production.
CO3	principles of modern physics to real-world phenomena and technologies, such as semiconductor devices, lasers, nuclear medicine, and quantum computing.
CO4	concepts using mathematical techniques such as calculus, linear algebra, and differential equations.
CO5	evaluate the validity and implications of various theories and hypotheses.

B.Sc.-I (PHYSICS) USPH201-Optics-I

	•
CO1	Understand phenomenon based on light and related theories .
CO2	Understand the event like reflection, refraction, interference, diffraction etc.
CO3	Understand how to apply resolving power of different optical instruments in study objects.
CO4	Can analyze working of optical fiber and their applications in communication.
CO5	Understand the applications of diffraction and polarization.

B.Sc.-I (PHYSICS)

USPH202 -Electricity and Electronics

001	Independent the basis principles of electricity, including	ala atria, ab arga
CO1	Understanding the basic principles of electricity, including	electric charge,
	electric fields, electric potential, and electric current.	2
CO2	Ability to analyze and design basic electrical circuits, inclu	ding resistiver regiments,
	DC circuits, and simple AC circuits.	St. Wilfred's College of
CO3	Understanding the principles of analog and digital electron	ics, in Auto Cing nor Bogic & Science
	gates, Boolean algebra, and combinational and sequential	logic circuits.

Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org

CO4	Ability to analyze and design simple electronic circuits, including amplifiers, oscillators, and digital logic circuits.
CO5	Ability to troubleshoot and diagnose problems in electrical and electronic circuits.

B.Sc.-II (PHYSICS)

USPH301 Thermodynamics and Temperature Transducers

CO1	understanding of the fundamental laws of thermodynamics, including concepts like energy transfer, entropy, and the behavior of gases and liquids under different conditions.
CO2	analyze and predict the behavior of various thermal systems, such as engines, refrigerators, and heat exchangers. They can apply principles like the Carnot cycle to assess efficiency and performance.
CO3	design and optimize energy systems for maximum efficiency and performance, whether in power generation, heating and cooling, or industrial processes.
CO4	Students can integrate thermodynamic principles with engineering applications, such as HVAC (heating, ventilation, and air conditioning) systems, renewable energy technologies, and manufacturing processes, optimizing these systems for energy efficiency and performance.
CO5	Studying thermodynamics and temperature transducers enhances problem- solving skills, enabling students to tackle complex engineering problems related to heat and energy transfer effectively.

B.Sc.-II (PHYSICS)

USPH302 Electronics

CO1	Understand the basic concepts of electronics components, network theorem, digital electronics, solid state semiconductor devices, amplifier theory, Analog and Digital circuits, basic circuits, design using circuit maker software and their application
CO2	Students would be able to understand various types of crystal structures and symmetries and understand the relationship between the real and reciprocal space and learn the Bragg's X-ray diffraction in crystals. Would also learn about phonons and lattice.
CO3	Course also includes elastic waves, phonons, and lattice vibrational properties. The course forms a theoretical basis of experimental material science and technology.
CO4	Analyze the relationship between analogue and digital circuits can repair small household electrical and electronics appliances.
CO5	The course is of much practical purpose for the students to learn basics of digital electronics. The digital electronics has wide applications in computing, process control, signal processing, communication systems, digital instruments etc

B.Sc.-II (PHYSICS)

USPH303 Mathematical Methods & Applied Physics - I

CO1	Learn Mathematical Techniques required to Physical phenomena at the under
	graduate level and get exposure to important ideas of differential equations.
CO2	Solve non homogeneous differential equation and partial differential equation using simple methods
CO3	Describe and recognize different types of differential equation in programmer All
CO4	Understand the pasic mathematical concepts and applications of the minerce & Scien physical situations.



(Affiliated to Mumbai University)

Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org

CO5	Students will appreciate the role of Physics in 'interdisciplinary areas related to
	Acoustics and Radio Communication' and understand the scope of the subject
	in Industry.

B.Sc.-II (PHYSICS)

USPH401 Optics & Applied Physics II

	· · · ·
CO1	Understand the diffraction, polarization processes and applications of them in physical situations.
CO2	Understand the applications of interference in design and working of interferometers.
CO3	Understand the resolving power of different optical instruments.
CO4	To develop assembly language programming skills and learn the real time applications of microprocessor.
CO5	Demonstrate quantitative problem solving skill in all the topics covered.

B.Sc.-II (PHYSICS)

USPH402 Electrodynamics

	•
CO1	Understanding the fundamental principles of classical electromagnetism, including Maxwell's equations, Gauss's law, Ampère's law, and Faraday's law.
CO2	Ability to analyze and solve problems involving electric and magnetic fields in various situations, including the behavior of point charges, currents, and continuous charge distributions.
CO3	Understanding electromagnetic waves, including their propagation, polarization, and energy transport properties.
CO4	Understanding electromagnetic waves, including their propagation, polarization, and energy transport properties
CO5	Application of Maxwell's equations to study phenomena such as electromagnetic radiation, waveguides, and antennas.

B.Sc.-II (PHYSICS)

USPH403 Quantum Mechanics

CO1	Understanding the basic postulates and principles of quantum mechanics, including wave-particle duality, superposition, and uncertainty principle.
CO2	Ability to solve quantum mechanical problems for simple systems, such as the particle in a box, harmonic oscillator, and hydrogen atom.
CO3	Understanding the role of symmetries in quantum mechanics, including rotational and translational symmetries, and their implications for physical systems.
CO4	Application of quantum mechanics to various areas such as atomic physics, molecular physics, solid-state physics, and particle physics.
CO5	Ability to analyze and interpret experimental results in the context of quantum mechanics.

B.Sc.-III (PHYSICS)

	USPH501: Mathematical, Thermal and Statistical Physics
CO1	Understanding the fundamental principles of thermodynamics, such as the laws
	of thermodynamics, heat transfer mechanisms, and thermodynamic processes.
CO2	Mastery of statistical mechanics concepts, including probability distributions ollege of
	ensembles, and the connection between microscopic and macroscopinmerce & Science
	properties of systems.



Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org

CO3	Ability to analyze and solve problems involving equilibrium and non-equilibrium statistical mechanics, including applications to gases, liquids, solids, and phase transitions.
CO4	Familiarity with concepts such as entropy, free energy, partition functions, and
	fluctuations in statistical physics.
CO5	Applying statistical methods to describe and predict the behavior of large
	systems of particles, including gases, fluids, and condensed matter systems.

B.Sc.-III (PHYSICS)

USPH502: Solid State Physics

CO1	Understand the basics of crystallography, Electrical properties of metals, Band Theory of solids, demarcation among the types of materials, Semiconductor Physics and Superconductivity.	
CO2	Understand the basic concepts of Fermi probability distribution function, Density of states, conduction in semiconductors and BCS theory of superconductivity.	
CO3	Demonstrate quantitative problem solving skills in all the topics covered.	
CO4	understand the concept of lattice vibrations in solids and the quantization of these vibrations into discrete energy levels known as phonons.	
CO5	Understand the principles of magnetism, including magnetic moments, magnetic domains, and magnetic ordering.	

B.Sc.-III (PHYSICS)

USPH503: Atomic and Molecular Physics

CO1	understanding of the structure, behavior, and properties of atoms and
	molecules.
CO2	understand the historical development of atomic models, including the Bohr
	model and the quantum mechanical model.
CO3	knowledge of various spectroscopic techniques used to study atoms and
	molecules, including absorption spectroscopy, emission spectroscopy, and
	infrared spectroscopy.
CO4	principles of molecular symmetry and group theory and their application to
	molecular spectroscopy and chemical bonding.
CO5	understand and explain various phenomena and technologies, such as chemical
	reactions, molecular structure determination, and materials science.

B.Sc.-III (PHYSICS)

USPH504: Electrodynamics

CO1	Understand the laws of electrodynamics and be able to perform calculations using them.
CO2	Understand Maxwell's electrodynamics and its relation to relativity
CO3	Understand how optical laws can be derived from electromagnetic principles.
CO4	Develop quantitative problem solving skills.
CO5	understand the concept of electromagnetic potentials and their role in describing electromagnetic fields.
	PRINCIPAL PRINCIPAL

.Sc.-III (PHYSICS) **USPH601:** Classical Mechanics

St. Wilfred's College of Arts, Commerce & Science



Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org

CO1	Understand Newton's laws of motion and their applications in describing the motion of particles and rigid bodies under the influence of external forces.
CO2	Concepts of position, velocity, acceleration, and their relationships in describing motion.
CO3	Principles of conservation of momentum, angular momentum, and energy, and their applications in analyzing physical systems.
CO4	Understand the Hamiltonian formulation of mechanics, which provides a complementary approach to Lagrangian mechanics using generalized momenta and Hamilton's equations.
CO5	Understand the motion of particles under the influence of central forces, such as gravitational and electrostatic forces.

B.Sc.-III (PHYSICS)

USPH602: Electronics

CO1	Understanding of Basic Electronic Components: Students should learn about the characteristics and operating principles of basic electronic components such as resistors, capacitors, inductors, diodes, and transistors.
CO2	Analyze and design electronic circuits using techniques such as circuit analysis, network theorems, and circuit simulation.
CO3	Principles of digital electronics, including Boolean algebra, logic gates, flip- flops, registers, and counters.
CO4	Understand the principles of semiconductor physics and how these devices are used in electronic circuits.
CO5	Apply the principles of electronics to analyze and solve problems in various areas, including telecommunications, power electronics, control systems, instrumentation, and consumer electronics.

B.Sc.-III (PHYSICS)

USPH603: Nuclear Physics Objectives:

	· ·
CO1	Understand the structure of atomic nuclei, including the composition of nucleons (protons and neutrons), nuclear energy levels, and nuclear models
	such as the liquid drop model and the shell model.
CO2	Understand the properties of ionizing radiation, radiation detection techniques,
	and radiation protection measures.
CO3	Understand the principles of radioactive dating methods, including radiocarbon
	dating, uranium-lead dating, and potassium-argon dating
CO4	Understand the principles of nuclear fission, nuclear fusion, and nuclear energy
	conversion. Learn about nuclear fuel cycles, reactor designs, safety measures,
	and environmental considerations.
CO5	Understand how nuclear interactions are mediated by exchange particles and
	governed by fundamental symmetries and conservation laws.

Sc.-III (PHYSICS)

friedla PRINCIPAL

SPH604 Special Theory of Relativity

St Wilfred's College of

		A N	1.55/1 -		-	
CO1	To the essent	e of s	pecial rela	tivity which rev	olutionized th	ne congestoompleyesisscience
	in the last cer	tury b	y unifying s	space and time	e, mass and e	energy, electricity and



Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org

	magnetism. This course also gives a very brief introduction of general relativity.
CO2	Understand the significance of Michelson Morley experiment and failure of the existing theories to explain the null result
CO3	Understand the importance of postulates of special relativity, Lorentz transformation equations and how it changed the way we look at space and time, Absolutism and relativity, Common sense versus Einstein concept of Space and time.
CO4	Understand the transformation equations for: Space and time, velocity, frequency, mass, momentum, force, Energy, Charge and current density, electric and magnetic fields.
CO5	Solve problems based on length contraction, time dilation, velocity addition, Doppler effect, mass energy relation and resolve paradoxes in relativity like twin paradox etc.



Friedla

PRINCIPAL St. Wilfred's College of Arts, Commerce & Science

(Affiliated to Mumbai University)

Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org

BECHELOR OF SCIENCE COURSE OUTCOMES B.Sc.-I (STATISTICS)

USST101: DESCRIPTIVE STATISTICS-1

CO1	Describe of Data and Data Condensation
CO2	Univariate frequency distribution of discrete and continuous variables. Cumulative frequency distribution
CO3	Concept of central tendency of data. Requirements of good measure.
CO4	Concept of dispersion. Requirements of good measure
CO5	Concept of Skewness and Kurtosis: Measures of Skewness: Karl Pearson's, Bowley's and Coefficient of skewness based on moments

B.Sc.-I (STATISTICS) USST102 STATISTICAL METHODS-1

CO1	Definition of an event. Operation of events, mutually exclusive and exhaustive events.
CO2	Independence of events, pairwise and mutual independence for three event Conditional probability, Bayes theorem and its applications
CO3	Concept of Discrete random variable and properties of its probability distribution
CO4	Covariance and Coefficient of Correlation. Independence of two random variables.
CO5	Discrete Uniform, Binomial and Poisson distributions and derivation of their mean and variance.

B.Sc.-I (STATISTICS)

COURSE USST201: DESCRIPTIVE STATISTICS-11

CO1	Describe of Correlation and regression analysis.
CO2	Concept of linear regression. Principle of least squares. Fitting a straight line by method of least squares.
CO3	Definition of time series .Its component. Models of time series.
CO4	Measures of Simple and Composite Index Numbers. Laspeyre's, Paasche's, Marshal-Edgeworth's, Dobisch & Bowley's and Fisher's Index Numbers formula.
CO5	Cost of Living Index Number.Concept of Real Income based on Wholesale Price Index Number

B.Sc.-I (STATISTICS) USST202 STATISTICAL METHODS-2

CO1	Concept of Continuous random variable and properties of its probability distribution.
CO2	Expectation of a random variable and its properties. Measures of location, dispersion, skewness.
CO3	Uniform, Exponential (location scale parameter), memory less property of exponential distribution and Normal distribution.
CO4	Concept of a statistic, estimate and its sampling distribution. Parameter and it's estimator.
CO5	Standard errors of sample mean and sample proportion.
	PRINCIPAL

St. Wilfred's College of Arts, Commerce & Science

USST301 PROBABILITY DISTRIBUTIONS





Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org

CO1	Definition and Properties of Moment Generating Function(M.G.F.)
CO2	Mean, Variance, Measures of skewness and Kurtosis based on moments using M.G.F.and C.G.F., Nature of probability distribution with change in the values of parameters, Mode, Additive property.
CO3	Definition,Mean,Variance,Limiting distribution of Hyper geometric distribution
CO4	Definition of raw and central moments, covariance, correlation coefficient, Independence and correlation between two variables
CO5	Transformation of Random Variables and Jacobian of transformation with illustrations.

B.Sc.-II (STATISTICS) USST302 THEORY OF SAMPLING

	COST SOZ THEORY OF CAME LING
CO1	Definition, Sampling with & without replacement (WR/WOR).Lottery method & use of Random numbers to select .
CO2	Estimation of Sample size based on a desired accuracy in case of SRS for variables & attributes.
CO3	Estimation of population mean & total in case of Stratified Random Sampling (WOR within each strata). Expectation & Variance of the unbiased estimators, Unbiased estimators of variances of these estimators.
CO4	Ratio Estimators for population Ratio, Mean & Total. Expectation & MSE of the Estimators. Estimators of MSE. Uses of Ratio Estimator.
CO5	Regression Estimators for population Mean & Total. Expectation & Variance of the Estimators assuming known value of regression coefficient 'b'

B.Sc.-II (STATISTICS)

USST303 OPERATIONS RESEARCH 1

CO1	Mathematical Formulation: Maximization & Minimization. Concepts of Solution, Feasible Solution, Basic Feasible Solution, Optimal solution. Graphical Solution for problems with two variables.
CO2	Duality. Its use in solving L.P.P. Relationship between optimum solutions to Primal and Dual. Economic interpretation of Dual.
CO3	Concepts of Solution, Feasible Solution. Initial Basic Feasible Solution by North-West Corner Rule, Matrix Minima Method, Vogel's Approximation Method. Optimal Solution by MODI Method. Optimality test, Improvement procedure
CO4	Concept. Mathematical Formulation
CO5	Variants in Assignment Problem: Unbalanced, Maximization type

B.Sc.-II (STATISTICS)

USST401 PROBABILITY AND SAMPLING DISTRIBUTIONS

CO1	Definition, M.G.F.,C.G.F. raw moments and central moments up to order four using M.G.Fand C.G.F.
CO2	Distribution of ratio of two i.i.d. Exponential random variables.
CO3	Definition, Derivation of Mean, Median, Mode, Standard deviation, M.G.F., C,G,F., Moments & curve (up to fourth order). skewness & kurosis, and a Nature of Normal curve
CO4	Expression for even order central moments and to show that odd order central moments are zero. Percentiles.
CO5	Distribution of the sum of squares of independent Standard Normal variables.



(Affiliated to Mumbai University)

Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org

Sampling distributions of sample mean and sample variance and their
independence for a sample drawn from Normal distribution

B.Sc.-II (STATISTICS)

USST402 ANALYSIS OF VARIANCE & DESIGN OF EXPERIMENTS

CO1	Mathematical Model, Assumptions, Expectation of various sums of squares, Ftest, Analysis of variance table.
CO2	Concepts of Experiments, Experimental unit, Treatment, Yield, Block, Replicate, Experimental Error, Precision. Principles of Design of Experiments: Replication, Randomization & Local Control
CO3	Mathematical Model, Assumptions, Expectation of various sums of squares, Ftest, Analysis of variance table.
CO4	Efficiency of the design relative to RBD, CRD. Missing plot technique for one missing observation in case of CRD, RBD & LSD.
CO5	Definition, Purpose & Advantages. 2 ² , 2 ³ Experiments. Calculation of Main & interaction Effects.

B.Sc.-II (STATISTICS)

USST403 Operations Research - 2

CO1	Diagrammatic representation of activities in a project: Gantt Chart and Network Diagram. Slack time and Float times. Determination of Critical path
CO2	Definitions of Two persons Zero Sum Game, Saddle Point, Value of the Game,
	Pure and Mixed strategy, Optimal solution of two person zero sum games.
CO3	Graphical solution of (2 n) and (m 2) games, Reduction of game theory to LPP
CO4	Decision making under uncertainty: Laplace criterion, Maximax (Minimin) criterion, Maximin (Minimax) criterion, Hurwitz criterion, Minimax Regret criterion.
CO5	Decision making under risk: Expected Monetary Value criterion, Expected Opportunity Loss criterion, EPPI, EVPI.

B.Sc.-III (STATISTICS)

USST501 PROBABILITY AND DISTRIBUTION THEORY

CO1	Basic definitions: Random Experiment, Outcome, Event, Sample Space, Complementary, Mutually Exclusive, Exhaustive and Equally Likely Events.
CO2	Inequalities and law of Large Numbers.
CO3	Definition and properties of Moment Generating Function (MGF) of two random
000	\mathbf{O}
	variables of discrete and continuous type.
CO4	Definition of joint probability distribution of (X, Y). Joint moment generating
	function, moments.
CO5	Definition of Order Statistics based on a random sample.

B.Sc.-III (STATISTICS)

USST502 THEORY OF ESTIMATION

CO1	Definition of an unbiased estimator, Illustrations and example	S.
CO2	Definition of like theory as a function of unknown parameter fo sample from: Discrete distribution & Continuous distribution	
CO3	Derivation of Moment estimators for standard distributions	PRINCIPAL St. Wilfred's College of
CO4	Concept of confidence interval & confidence limits.	Arts, Commerce & Scienc



(Affiliated to Mumbai University)

Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org

CO5	Confidence interval for the parameters of Binomial, Poisson and Exponential
	distributions

B.Sc.-III (STATISTICS) USST503 BIOSTATISTICS

r
eller's
mmon
ds ratio.

B.Sc.-III (STATISTICS)

USST504A Regression Analysis using R software

CO1	Introduction to R features of R, installation of R, Starting and ending R session, getting help in R, Value assigning to variables
CO2	Assumptions of the model, Derivation of ordinary least square (OLS) estimators
	of regression coefficients for simple
CO3	Derivation of ordinary least square (OLS) estimators of regression coefficients
	for multiple regression models, Coefficient of determination R2 and adjusted R2
	, Procedure of testing
CO4	Residual Diagnostics: Standardized residuals, Studentized residuals, residual
	plots, Interpretation of four plots of ,Interpretation output produced by plot
	command in R and corrective measures such as transformation of response
	variable, testing normality of data.
005	
CO5	Concept and detection using Durbin Watson Test, Interpretation of output
	produced by DW-test function in R.

B.Sc.-III (STATISTICS)

USST504B Statistical Data Analysis using PYTHON

CO1	Introduction To PYTHON Software
CO2	Reading and writing data: From and to Excel and CSV files
CO3	Plotting: using "matplotlib" (Histograms, Box plots, Scatter plot, Bar plot, Line plot)
CO4	Descriptive Statistics: mean, median, mode, min, max, quantile, std, var, skew, kurt, correlation
CO5	Linear regression: from sklearn import linear model and use linearmodel.linearregression function.

B.Sc.-III (STATISTICS)

USST601 DISTRIBUTION THEORY AND STOCHASTIC PROCESSES

CO1	Definition of joint probability distribution (X, Y). Joint Moment Generating
CO2	Distribution of sample correlation coefficient when $\rho = 0$. Testing the significance of a correlation coefficient
CO3	Generating functions of the standard discrete distributions. PRINCIPAL
CO4	Definition of stochastic process. Postulates and difference differential equation of Arts. Commerce & Science
CO5	Roles of the Poisson and Exponential distributions

(Affiliated to Mumbai University)

Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org

B.Sc.-III (STATISTICS) USST602 TESTING OF HYPOTHESIS

CO1	Definition of most powerful test of size α for a simple hypothesis against a simple alternative hypothesis.
CO2	Definition, Existence and Construction of Uniformly most powerful (UMP) test.
CO3	Sequential test procedure for testing a simple null hypothesis against a simple alternative hypothesis.
CO4	Definition of Wald's SPRT of strength (α , β).
CO5	Concept of a distribution free statistic

B.Sc.-III (STATISTICS) USST603 OPERATIONS RESEARCH TECHNIQUES

CO1	Dual Simplex Method, Algorithm. Post Optimality Sensitivity Analysis.
CO2	Introduction to Inventory Problem.
CO3	Replacement of items that deteriorate with time and value of money.
CO4	Concept and Scope of simulation. Monte Carlo Technique of Simulation.Generation of random numbers.
CO5	Definitions of increasing (decreasing) failure rate.System Reliability.

B.Sc.-III (STATISTICS)

CO1	Probabilities of living and dying. The force of mortality. Estimation of μx from
	the mortality table
CO2	Accumulated value and present value, nominal and effective rates of interest.
	Varying rates of interest. Equation of value
CO3	Present value in terms of commutation functions of Life annuities and
	Temporary life annuities.
CO4	Laws of mortality: Gompertz's and Makeham's first law
CO5	Net level annual premiums (including limited period of payment) for various
	assurance plans .

B.Sc.-III (STATISTICS)

USST604B INTRODUCTION TO SIX SIGMA

CO1	Descriptive Statistics, Data Distribution, Skewness, Kurtosis, Box and Whisker plots.
CO2	History and concept, Basic Principles, Goals, six sigma v/s TQM, ISO 9000, Traditional Management, Quality defined, VOC and CTQ.
CO3	Introduction, Chance and assignable causes, Statistical basis of the control chart.
CO4	Introduction to the concept of attribute, Defect. P, np, c and u charts, their uses. p-chart with variable sample size
CO5	Control chart for variables variables. X-Bar, R, S.



PRINCIPAL St Wilfred's College of

St. Wilfred's College of Arts, Commerce & Science

(Affiliated to Mumbai University)

Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org

BECHELOR OF SCIENCE COURSE OUTCOMES B.Sc.-I (BOTANY)

• USPH101- Paper I Plant Diversity I

Sem-I

CO1	Understand the diversity among Algae.
CO2	Know the systematic, morphology and structure, of Algae. Understand the life cycle pattern of Algae.
CO3	Know the Economic Importance of Fung.
CO4	Understand the useful and harmful activities of Algae.
CO5	Understand the morphological diversity of Bryophytes.

B.Sc.-I (BOTANY)

Microbiology

• Sem-I

CO1	Understand the concept, principle and types of sterilization methods.
CO2	Know the concept and characteristics of antiseptic, disinfectant and their mode of action.
CO3	Principle, working and applications of instruments visa, pH meters, spectrophotometer, centrifuge, viscometer, and laminar air flow.
CO4	
	Understand the scope and importance of Plant Pathology.
CO5	Know the prevention and control measures of plant diseases and its effect on economy of crops

B.Sc.-I (BOTANY)

- Genetics
 - Sem-I

CO1	Understand the biochemical nature of nucleic acids, their role in living systems, experimental evidences to prove DNA as a genetic material.
CO2	Understand the process of synthesis of proteins and role of genetic code in polypeptide formation.
CO3	Know the details of Microscopy- Principles of light microscopy, electron microscopy (TEM and SEM).
CO4	Understand & perform Chromatography and cultural techniques in Botany.
CO5	Understand the methods used in Micrometry, Microtome and Microphotography.
	site & Science



PRINCIPAL St. Wilfred's College of Arts, Commerce & Science

(Affiliated to Mumbai University)

Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org

B.Sc.-I (BOTANY)

• Microbial Diversity and Functional Biology

• Sem-I

CO1	Understand the concept, principle and types of sterilization methods.
CO2	Know the concept and characteristics of antiseptic, disinfectant and
	their mode of action.
CO3	Understand the Microbial Genetics and Recombination in Bacteria.
CO4	Understand the scope and importance of Plant Pathology.
CO5	Know the prevention and control measures of plant diseases and its
	effect on economy of crops.

B.Sc.-I (BOTANY)

• USBT102-Paper II Cell Biology

• Sem-I

CO1	Students will be able to understand the structure, chemistry, and functions of cell and cellular organelles.
CO2	Know about gene mapping methods & Extra chromosomal inheritance.
CO3	Know about morphogenesis and organogenesis in plants.
CO4	Learn the specific and non-specific methods of gene transfer.
CO5	Applications of Biotechnology in Plant, Animal, and Human welfare.



friedla

PRINCIPAL St. Wilfred's College of Arts, Commerce & Science

Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org

B.Sc.-I (BOTANY)

USBT102-Paper II Biomolecules and Medical Biotechnolog •

> Sem-I •

CO1	Know about the genomic organization or living organisms, study of
	genes genome, chromosome etc.
CO2	Gain knowledge about the mechanism and essential component required for prokaryotic DNA replication.
CO3	Understand the fundamentals of Recombinant DNA Technology.
CO4	Understand the principle and basic protocols for Plant Tissue Culture.
CO5	The concept of operon and its structure and regulation.

B.Sc.-I (BOTANY) USBT201-Paper I Microbiology Sem-II

CO1	Students will gain knowledge of significance and activities of
	microorganisms in food.
CO2	Students will also know the microbial quality control and quality
	schemes used in food industries.
CO3	Students will gain knowledge of isolation, maintenance and handling
	of industrially important microbial cultures in laboratory settings.
CO4	Ability to the principle of management and controls on microbial
	processes in industrial settings.
CO5	Ability to understand the principles of physiological understanding
	in the improvement of industrial processes.



friedla

PRINCIPAL St. Wilfred's College of Arts, Commerce & Science



Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org

B.Sc.-I (BOTANY)

USBT201-Paper II Genetics Sem-II

CO1	Discuss the different applications of biotechnology
CO2	Know the natural function of restriction endonucleases and how a
	normal bacterial cell protects its DNA from their activity.
CO3	Understand how insulin is produced using bacterial cells.
CO4	Describe techniques used to characterize DNA and Axenic culture of
	cell.
CO5	Students will gain knowledge of prokaryotic gene transfer
	mechanisms, mutations and recombination.

B.Sc.-I (BOTANY)

USBT201-Paper II Microbial Diversity and Functional Biology Sem-II •

CO1	Understand basics of microbial life and their economic importance.
CO2	Develop general awareness on the diversity of microorganisms,
	fungi and lichens.
CO3	Analyze the ecological role played by bacteria, fungi and lichens.
CO4	Identify plant diseases and find out control measures.
CO5	Realize the significance of plant diseases as far as crop production is
	concerned.



friedla

PRINCIPAL St. Wilfred's College of Arts, Commerce & Science



Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org

B.Sc.-I (BOTANY) USBT202-Paper II Cell Biology Sem-II

.

CO1	Understand the ultrastructure and functioning of cell in the sub- microscopic and molecular level.
CO2	Get an idea of origin, concept of continuity and complexity of life activities.
CO3	Familiarization of life processes.
CO4	Understand the basic and scientific aspect of diversity.
CO5	Understand DNA as the basis of heredity and variation.

B.Sc.-I (BOTANY)

USBT202-Paper II Biomolecules and Medical Biotechnology • Sem-II .

CO1	Discuss the different applications of biotechnology.
CO2	Know the natural function of restriction endonucleases and how a
	normal bacterial cell protects its DNA from their activity.
CO3	Understand how insulin is produced using bacterial cells and
	importance to gene technology.
CO4	Describe techniques used to characterize DNA and Axenic culture of
	cell.
CO5	Explain the concepts in molecular biology.



friedla

PRINCIPAL St. Wilfred's College of Arts, Commerce & Science



Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org

B.Sc.-I (BOTANY)

USBO301-Plant Diversity

Sem-III

CO1	Understand the morphological diversity of Bryophytes and
	Pteridophytes and Gymnosperms.
CO2	Understand the habit of the angiosperm plant body.
CO3	Know the vegetative characteristics of the plant.
CO4	Learn about the reproductive characteristics of the plant.
CO5	Understand the plant morphology and basic taxonomy.

B.Sc.-I (BOTANY)

USBO302-From and Function II Sem-III

CO1	Gain knowledge about "Cell Science".
CO2	Understand Cell wall Plasma membrane, Cell organelles and cell
	division.
CO3	Understand the role plants in human welfare.
CO4	Know importance of plants & plant products.
CO5	Know about the utility of plant resources.

B.Sc.-I (BOTANY)

USBO303-Current Trends in Plant Sciences I Sem-III

CO1	Understand Pharmacopoeia and types, Study of Monograph from pharmacopoeia, Secondary Metabolites.
CO2	Understand Forestry, Outline of types of forest in India, Agro-forestry, Urban forestry, organic farming, Silviculture.
CO3	Understand Economic Botany, types of fibers, Current trends in Fiber industries, Spices and condiments, Commercial market of spices.
CO4	Understand Aromatherapy it's Uses with examples, Botanical and nutraceuticals, Enzymes industry and Biofuels.
CO5	Understand the economic and ecological importance of lower plant groups.



Friedla

PRINCIPAL St. Wilfred's College of Arts, Commerce & Science



Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org

B.Sc.-I (BOTANY) USBO401-Plant Diversity

Sem-IV

CO1	Understand General characters of Ascomycetae Fungi, Structure, reproduction, life cycle and systematic position of Erysiphe and Xylaria.
CO2	Understand Plant Pathology and diseases- Powdery mildew and Late blight of potato.
CO3	Understand Lichens - Classification, Structure, Method of Reproduction, Economic Importance and Ecological Significance of Lichens.
CO4	Understand Salient features and classification upto orders of Psilophyta and Lepidophyta, Structure, life cycle and systematic position of Selaginella.
CO5	Understand Salient features, classification up to orders and economic importance of Coniferophyta, Structure life cycle and systematic position of Pinus, Structure and systematic position of the form genus Cordaites.

B.Sc.-I (BOTANY)

USBO402-From and Function II Sem-IV

CO1	Students will be understand Meaning of Anatomy, normal secondary growth in dicot stem and root.
CO2	Students will be understand Growth rings, periderm, lenticels, tyloses, heart wood and sap wood Mechanical tissue systems in plants and types of vascular bundles.
CO3	Students will get the knowledge of Respiration, types and energetic, photorespiration and photoperiodism.
CO4	Students will acquire the knowledge of Biogeochemical cycles, ecological factors and community ecology with characters.
CO5	Students will be able to understand autocatalytic, heterocatalytic functions of DNA in prokaryotes and eukaryotes.



friedla

PRINCIPAL St. Wilfred's College of Arts, Commerce & Science



Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org

B.Sc.-I (BOTANY)

USBO403-Current Trends in Plant Sciences I • Sem-IV

CO1	The students will be able to Understand Horticulture, it's branches, Gardening, different locations in the garden, Focal point, Types of
	garden, National Park and Botanical Garden with examples.
CO2	The students will be able to Understand plant tissue culture,
	Laboratory organization and techniques in plant tissue culture,
	Totipotency, Organogenesis, Organ cultures, R-DNA technology,
	Gene cloning and Enzymes and Vectors used for Gene cloning.
CO3	The students will be able to Understand Biostatistics, The chi square
	test, Coefficient of correlation.
CO4	Understand Bioinformatics and tools, Information technology,
	History and tools of IT, Internet and its uses, Entrez, BLAST,
	Bioinformatics programme in India.
CO5	Equip the students to carry out plant tissue culture.

B.Sc.-I (BOTANY)

Plant Diversity III

Sem-V

CO1	Learn about the structure, pigmentation, food reserves and methods of reproduction of Algae.
CO2	Learn about the structure, pigmentation, food reserves and methods of reproduction of Fungi.
CO3	Know about the Economic importance of algae, Fungi and lichen.
CO4	To understand General characters, structure, reproduction and classification of algae.
CO5	To understand the structure and plant diseases caused by bacteria and viruses.



findla

PRINCIPAL St. Wilfred's College of Arts, Commerce & Science



Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org

B.Sc.-I (BOTANY) PLANT DIVERSITY IV

Sem-V •

CO1	Understand plant communities and ecological adaptations in plants.
CO2	Learn about conservation of biodiversity, Non-conventional Energy
	and Pollution.
CO3	Know the scope of Paleobotany, types of fossils, its role in blobal
	economy and geological time scale.
CO4	Discover botanical regions of India and vegetation types of
	Maharashtra.
CO5	Understand Bioremediation, Global warming and climate change.

B.Sc.-I (BOTANY)

FORM AND FUNCTION III

• Sem-V

CO1	Understand the chemical contents of the plant products.
CO2	Understand the process of synthesis of proteins and role of genetic
	code in polypeptide formation.
CO3	Formation.
CO4	Understand the respiration in higher plants with particular emphasis
	on aerobic and anaerobic respiration.
CO5	Learn about the movement of sap and absorption of water in plant
	body.

B.Sc.-I (BOTANY)

CURRENT TRENDS IN PLANT SCIENCES II

•

Sem-V

CO1	Gain skill on working principles of pH meter, colorimeter and
	centrifuge.
CO2	Learn the technique of Electrophoresis & Chromatography.
CO3	Know about history and relevance of herbal drugs in Indian system
	of medicine.
CO4	Learn the macroscopic and microscopic characters, chemical
	constituents, adulterants, the rapeutical and pharmaceutical uses of
	medicinal plants. *
CO5	Biotechnology and B, Biosaftey, Biopiracy, Bioterrorismwands College of
	Bioethics. Arts, Commerce & Science



Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org

B.Sc.-I (BOTANY) PLANT DIVERSITY III

Sem-VI

.

CO1	Understand plant communities and ecological adaptations in plants.
CO2	Know the taxonomic position, occurrence, thallus structure, reproduction of Bryophytes.
CO3	Classify algae, bryophytes and pteridophytes.
CO4	Appreciate the diversity and evolutionary significance of lower plant groups.
CO5	Studied the methods of fossilization and fossil plants.

B.Sc.-I (BOTANY)

PLANT DIVERSITY IV

Sem-VI •

CO1	Know the scope and importance of the discipline.
CO2	Know the concept of methodology in taxonomy.
CO3	Imparting an insight into the internal structure and reproduction of
	the most evolved group of plants, the Angiosperm.
CO4	Develop inductive and deductive reasoning ability.
CO5	Help the student to understand the systems of classification of
	angiosperms.

B.Sc.-I (BOTANY)

FORM AND FUNCTION III

• Sem-VI

CO1	Understand the concept, principle and types of sterilization methods.						
CO2	Make the students realize the importance of all physiological						
	processes which take place in plants.						
CO3	Equip to access and analyze the data available in the databases.						
CO4	Understand the role, structure and importance of the bio molecules						
	associated with plant life.						
CO5	Familiarize with the basic skills and techniques related to plant						
	physiology.						

PRINCIPAL St. Wilfred's College of Arts, Commerce & Science

Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org

B.Sc.-I (BOTANY) CURRENT TRENDS IN PLANT SCIENCES II Sem-VI •

CO1	Identify the economically important plants.
CO2	Make scientific illustrations of vegetative and reproductive structures of plant.
CO3	Understand the chemical contents of the plant products.
CO4	Apply various horticultural practices in the field.
CO5	Understand the fundamentals of Recombinant DNA Technology.



findla

PRINCIPAL St. Wilfred's College of Arts, Commerce & Science



Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org

PG COURSE OUTCOMES

M.SC CHEMISTRY (PAPER-I)

• Sem-I

CO1	Represent of the rate law of the elementary and chain reaction.
CO2	Understand of the theories for the determination of the rate of the reaction.
CO3	know the phase diagram of single component systems and binary mixtures.
CO4	Understand of the applications statistical thermodynamics.
CO5	Understand of the quantum chemistry of free electron and H- atom.

Mapping of PO, PSO&CO

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2
		1		3		2		2	1	
CO1										
	2		2		1		2			2
CO2										
		2	1	2	3	2		2	3	1
CO3										
	1		2		2		2		2	
CO4										
	2	3		2		1	3	2		2
CO5										



friedla

PRINCIPAL St. Wilfred's College of Arts, Commerce & Science



Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org

M.SC CHEMISTRY (PAPER-II)

• Inorganic Chemistry

Sem-I •

CO1	Access structural knowledge of inorganic molecules and their
	applications.
CO2	Understand metal- ligand interaction in solution phase and their
	applications.
CO3	Apply crystal field theory and molecular orbital theory for metal-
	ligand bonding.
CO4	Evaluate acidic nature acids formed by oxides and hydroxides of
	metals.
CO5	Understand preparation, properties and structural aspects of metal-
	ligand pi complex.

Mapping of PO, PSO&CO

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2
	1		3		1		3		1	
CO1										
		2	2	2		2		2		2
CO2										
	2	1			2		2	1	2	1
CO3										
	1	2	1	2		2	1	2		
CO4										
	3	1		1	2	1			3	2
CO5										



friedla

PRINCIPAL St. Wilfred's College of Arts, Commerce & Science

Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org

M.SC CHEMISTRY (PAPER-III)

• Organic Chemistry

Sem-I •

CO1	Understand chemical bonding and reactivity, various effects in
	organic molecules.
CO2	Understand Acidity and Basicity as well as aromaticity.
CO3	Understand concepts of stereochemistry and will be able to stereo
	chemical aspects in organic chemistry.
CO4	Develop knowledge of substitution (electrophilic, nucleophilic),
	addition and elimination reactions.
CO5	Understand various methods of Carbanion generation and their
	applications in Organic Synthesis.

Mapping of PO, PSO&CO

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2
			2		3		1		2	
CO1										
	2	2		1		2	2	2		1
CO2										
			3		2		3	2	3	2
CO3										
	1	1		2		1		1	1	
CO4										
	3		1	3	1	2	Ι			3
CO5		2								



friedla

PRINCIPAL St. Wilfred's College of Arts, Commerce & Science



Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org

M.SC CHEMISTRY (PAPER-IV)

Analytical Chemistry

•

• Sem-I

CO1	The students learn about language and quality of analytical
	chemistry, lab safety, preparation of solutions numerically, optical
	and thermal methods etc.
CO2	The students learn to prepare resin column, NaCL in saline by
	Volhard''s method.
CO3	Identify the importance of solvent extraction and ion exchange
	method.
CO4	Acquire knowledge on the basic principles of volumetric analysis
	and gravimetric analysis.
CO5	Understand the theories of different types of titrations.

Mapping of PO, PSO&CO

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2
	1		3		2		1		2	1
CO1										
		2		2	1	2		1		2
CO2										
	2		2	1	2	1	2	2	2	3
CO3										
		1		2		3		2	1	
CO4										
	3	2	1		1		2			2
CO5										



friedla

PRINCIPAL St. Wilfred's College of Arts, Commerce & Science



Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 + E-mail:stwilfred.acs@gmail.com + website : www.stwilfreds.org

M.SC CHEMISTRY (PAPER-I)

- Physical Chemistry
 - Sem-II •

CO1	How to analyses errors and other statistical data.
CO2	To get hand on experience how to measure adsorption, determine congruent composition of binary mixture, glass transition temperatures, constructing phase diagram for 3 component system.
CO3	To calculate velocity constant of various rate equations including ester hydrolysis, iodine clock reaction and primary kinetic salt effect.
CO4	To determine molecular weight, degree of dissociation of different electrolyte.
CO5	To determine the rate constant for hydrolysis/ inversion of sugar using polarimeter.

Mapping of PO, PSO&CO

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2
	2		1			2		1	2	1
CO1										
		1	2	2	1	2	1	2		2
CO2										
	1	2		1	2	1	2		2	
CO3										
	1	1	2		1			2	1	3
CO4										
	3	2		3		2	1		2	
CO5										
			stce & Science							Frizal

PRINCIPAL St. Wilfred's College of Arts, Commerce & Science

9



Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org

M.SC CHEMISTRY (PAPER-II)

- Inorganic Chemistry
 - Sem-II •

CO1	Access thermodynamic and kinetic knowledge of inorganic reactions.
	reactions.
CO2	Be aware of reaction mechanism of nucleophilic substitution and
	electron transfer reactions of coordination compounds.
CO3	Understand chemistry of metal-clusters.
CO4	Investigate the spectral characteristics of electronic transitions.
CO5	Apply spectral and magnetic properties of molecule in molecular
	characterization.

Mapping of PO, PSO&CO

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2
	1		2		3		2	1		2
CO1										
		2	2	1		1			2	1
CO2										
	2			2		2	2	2		
CO3										
		2	1		2		1		3	2
CO4										
	1	1		2		1		2	1	
CO5										



friedla

PRINCIPAL St. Wilfred's College of Arts, Commerce & Science



Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org

M.SC CHEMISTRY (PAPER-III)

- Organic Chemistry •
 - Sem-II •

CO1	The chemistry of different types of aliphatic substitution reaction and its application.
CO2	The chemistry of different types of aromatic electrophilic and nucleophilic substitution reaction and its application in advanced organic chemistry.
CO3	A concept of stereochemistry with stereo chemical aspects of organic synthesis at advance level.
CO4	The mechanistic facets of Addition of Carbon- Carbon multiple bonds and Elimination reactions.
CO5	The advance knowledge of Pericyclic Reactions.

Mapping of PO, PSO&CO

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2
				1	2		1		2	
CO1										
	1	2	2			2		2		1
CO2										
			2	1	2		2		2	1
CO3										
	2	2	1			3		1		3
CO4										
	2			2	1		3		1	
CO5										



findla

PRINCIPAL St. Wilfred's College of Arts, Commerce & Science



•

ST.WILFRED'S COLLEGE OF ARTS, COMMERCE & SCIENCE (Affiliated to Mumbai University)

Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org

M.SC CHEMISTRY (PAPER-IV)

- Analytical Chemistry
 - Sem-II •

CO1	Identify the importance of chromatography in the separation and identification of compounds in a mixture.
CO2	Acquire a critical knowledge on various chromatographic techniques.
CO3	Demonstrate skills related to analysis of water using different techniques.
CO4	Understand the principles of spectra chemistry in the determination of metal ions.
CO5	Comprehend the applications of atomic spectroscopy.

Mapping of PO, PSO&CO

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2
		2		2		3		2	2	
CO1										
	1		1		2		2		1	
CO2										
		2		2	1	2		1		2
CO3										
	2	1	2		2		2	2	1	2
CO4										
	2		1	1		2	1		2	1
CO5										



friedla

PRINCIPAL St. Wilfred's College of Arts, Commerce & Science

Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org

M.SC CHEMISTRY (PAPER-I)

Theoretical organic Chemistry I

Sem-III

CO1	Understand the nature of bonding, particularly delocalization, conjugation, cross-conjugation, resonance, hyper conjugation, tautomeric, etc.
CO2	Know about the definition and significance of synthetic molecular receptors with their structure and synthesis.
CO3	Understand the methods of determining mechanisms based on different factors.
CO4	Know about the types of reactions and mechanisms by realizing the various factors which are affecting on the reactions.
CO5	Realize the concept of isomerism with the help of various rules and interconversions.

Mapping of PO, PSO&CO

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	
		2		1		2		2		2	
CO1											
	2	1	2	2			3		2	1	
CO2											
	1		1		2	1		2	1		
CO3											
		2		2	3	2	2	1		2	
CO4											9
	1	1/2	Ce & Science		1		1		3	Angar	
CO5		pers, Con	()	St.					St	PRINCIPAL Wilfred's Colle	
	1		2831107 5 Pall)	1	1	1	11	Arts,	Commerce &	Sci



Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org

M.SC CHEMISTRY (PAPER-II)

- Synthetic organic Chemistry I •
 - Sem-III .

CO1	Understand the concept of green synthesis.
CO2	Know about the use of ultrasound in different organic reactions with
	instrumentation and phenomenon.
CO3	Know about the use of microwaves in different organic reactions
	with instrumentation and phenomenon.
CO4	Realize the use of polymer supports by their applications in various
	reactions.
CO5	Understand the concept of phase transfer catalysts.

Mapping of PO, PSO&CO

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2
	2	3		1		2			2	
CO1										
	1	1	2		2		2	1		1
CO2										
		2	1	2	1	1	1		1	2
CO3										
	3		2	2		2		2	1	3
CO4										
	1	1	1		3		2	1	2	
CO5										



friedla

PRINCIPAL St. Wilfred's College of Arts, Commerce & Science



Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org

M.SC CHEMISTRY (PAPER-III)

Natural products and Spectroscopy I •

> Sem-III •

CO1	Classification, isolation and source of the different natural products.
CO2	Basic properties and significance of natural products like alkaloids,
	terpeniods, prostaglandins etc.
CO3	Chemical synthesis of natural products.
CO4	Various chemical conversions of natural products.
CO5	Classification, synthesis and significance of insect pheromones.

Mapping of PO, PSO&CO

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2
	1		3		1		3		1	
CO1										
		2		2		2		1		3
CO2										
	2		2		2		2	3	2	
CO3										
	1	2		1		2		2		2
CO4										
	1		2	1	2		1		3	1
CO5										



friedla

PRINCIPAL St. Wilfred's College of Arts, Commerce & Science



Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 College Code 1033 + E-mail:stwilfred.acs@gmail.com + website : www.stwilfreds.org

M.SC CHEMISTRY (PAPER-IV)

Medicinal Biogenesis and Green Chemistry •

> Sem-III •

CO1	Drug-receptor interactions.
CO2	Metabolism of the drugs in the body.
CO3	Classification of the according to therapeutic use or action.
CO4	Major nutrients of soil and factors affecting soil pollution.
CO5	Gaseous/ionic composition of atmosphere and the factors that imbalance them.

Mapping of PO, PSO&CO

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2
		2		2		1		2		1
CO1										
	1		2		2		2		2	
CO2										
		3	1	2	1	2	1	3	1	2
CO3										
	2	2	1	1			2		2	
CO4										
	3		2		2	1		2		3
CO5										



friedla

PRINCIPAL St. Wilfred's College of Arts, Commerce & Science

Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org

M.SC CHEMISTRY (PAPER-I)

Theoretical Organic Chemistry II

Sem-IV •

CO1	Predict the product via reaction mechanism.
CO2	Able to recognize the chiral centers in an organic molecule.
CO3	Able to identify the different operations performed for a molecule in retrosynthesis.
CO4	Able to perform the different retrosynthetic analysis for a molecule.
CO5	Able to identify the starting material for the complex organic molecules through disconnection approach.

Mapping of PO, PSO&CO

	DO1	DOG	DO2	DO 4	DOT	DOC	DOZ	DOO	DCO1	DECO
	PO1	PO2	PO3	PO4		PO6	PO7	PO8	PSO1	PSO2
	2		1		2			2	1	
CO1										
	2	2		2		2	2		3	2
CO2										
			2		2	1		2		2
CO3										
	1	2		2		2	3		2	
CO4										
		3	1		3	1		1		3
CO5										



friedla

PRINCIPAL St. Wilfred's College of Arts, Commerce & Science



Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org

M.SC CHEMISTRY (PAPER-II)

- Synthetic Organic Chemistry II •
 - Sem-IV •

CO1	Reaction mechanism of various reactions of C-C and C-N bond
	forming reactions.
CO2	Oxidation reactions and their mechanism.
CO3	Reduction reactions and their mechanism.
CO4	Basic concepts of asymmetric synthesis.
CO5	Idea of Chemo selectivity and stereo selectivity.

Mapping of PO, PSO&CO

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2
	1		1		2		1		3	
CO1										
		1	2	2	1	2	2	2		2
CO2										
	2		3		2		3	3	2	1
CO3										
		2	2	2	2	2	2	2		2
CO4										
	2	3		3		3		1	1	3
CO5										



findla

PRINCIPAL St. Wilfred's College of Arts, Commerce & Science

Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org

M.SC CHEMISTRY (PAPER-III)

Natural Products and Heterocyclic Chemistry II •

> Sem-IV •

CO1	Do classification of organometallic catalysts.
CO2	Identify the applications organometallic catalysts.
CO3	Predict the product via reaction mechanism.
CO4	Student familiar with higher heterocyclic compounds synthesis and their synthetic applications.
CO5	Synthesis of heterocycles with P, As, Sb and Bi.
	Synthesis of neterocycles with 1, 713, 50 and Di.

Mapping of PO, PSO&CO

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2
	1			1		2			1	1
CO1										
		2	2		1		2	2		2
CO2										
	2	3		3	2	3		3	2	3
CO3										
	2		3	2	2	2	2	2	2	2
CO4										
	3	1		2		1	2		3	
CO5										



friedla

PRINCIPAL St. Wilfred's College of Arts, Commerce & Science



Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org

M.SC CHEMISTRY (PAPER-IV)

- Research Methodology
 - Sem-IV •

CO1	Explain the literature survey on a research problem.
CO2	Develop good experimental and analytical skills.
CO3	Develop good report and project writing skills.
CO4	Gain insights into mechanistic and stereo chemical features of addition reactions.
CO5	Gained knowledge on elaborated photochemical reactions of carbonyl reactions

Mapping of PO, PSO&CO

	PO1	PO2	PO3	PO4	PO5	POG	PO7	PO8	PSO1	PSO2
		FO2	FUS	FU4	FOS	FUU	FO/	F00	1061	F302
	2		1	2		1		2	1	
CO1										
	3	2	1		2	2	1		3	2
CO2										
	1	1	2	2			3	2		2
CO3										
		2			3	2			2	
CO4										
	2	1	3	2		1	2	1		3
CO5										



findla

PRINCIPAL St. Wilfred's College of Arts, Commerce & Science



(Affiliated to Mumbai University)

Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org

Co of COMMERCE

F.Y.B.Com. (PAPER-I)

Subject -Accountancy and Financial Management I

SEM -I

CO1	Learners will be able to explain the Accounting Standards.
CO2	Learners will be able to compare FIFO System with Weighted
	Average Inventory System.
CO3	Learners will be able to identify manufacturing account transactions
	and trading account transactions.
CO4	Learners will be able to solve Hire Purchase System.
CO5	Learners will be able to classify departmental transactions.

F.Y.B.Com. (PAPER-II)

Subject - Commerce I

SEM -I

CO1	Students will become familiar with the concept of business and
	business objectives.
CO2	Develop understanding about business environment and its analysis.
CO3	Understand the process of business planning and business promotion.
CO4	Gain insight about concept of entrepreneur.
CO5	Create awareness about entrepreneurship training and development centres in India.



indla

PRINCIPAL St. Wilfred's College of Arts, Commerce & Science



(Affiliated to Mumbai University)

Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org

F.Y.B.Com. (PAPER-III)

Subject - Business Economics I

SEM -I

CO1	Definition of Economics and scarcity
CO2	Definitions of demand and supply and the graphing of each and law
	of demand
CO3	Definition, calculation, and determinants of price elasticity of
	demand
CO4	Relationship between price, average revenue, and marginal revenue
CO5	Determining profit maximization and loss minimization using total revenue and total cost (BEP).

F.Y.B.Com. (PAPER-IV)

Subject - Business Communication I

SEM -I

CO1	Learners will be able to synthesise various communication skills
	such as oral, listening, reading and writing so as to be better
	communicators in the business world.
CO2	They will be able to prepare for successful careers that meet the
	global industrial corporate requirement.
CO3	Provides an environment for learners to work on multidisciplinary
	projects as a part of different teams to enhance their team building
	capabilities like leadership and motivation and they can demonstrate
	the same in real world situations.
CO4	They will gain a practical understanding of business etiquette, ethics
	and codes of conduct.
CO5	They will learn of the usage, advantages and disadvantages of INCIPAL
	modern forms and channels of communication. St. Wilfred's College
	Arts, Commerce & Scie



(Affiliated to Mumbai University)

Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org F.Y.B.Com. (PAPER-V)

Subject - Environmental Studies I

SEM -I

CO1	Learners are able to understand various environmental problems wrt
001	-
	to the basic components of the environment including resources,
	sustainability, population dynamics, urban issues & map work.
CO2	Helps the learners to take up responsibility & strive hard for a better
	environment.
CO3	Gives an idea of Sustainable Development in order to conserve
	resources.
CO4	Assist in overall preservation, conservation of environment &
	resources, to combat with existing environmental problems & avoid
	reckless exploitation.
CO5	Adopt sustainability as a practice in life, society and industry.
J	

F.Y.B.Com. (PAPER-VI)

Subject - Foundation Course-I

SEM -I

CO1	Learner will understand basic schedules and articles which are laid
	by constitution to protect various groups of society and understand
	their difficulties and fight against exploitation towards them.
CO2	Learner will understand to become responsible and mature citizens
	of society and work for overall benefits.
CO3	Learners will understand the core concepts of preamble and features
	of constitutions.
CO4	Learners will also understand and follow their fundamental duties.
	They will get to know various forms of government and their
	working procedures.
CO5	A sensitized approach towards social problems plaguing Indian
	society ability to address the same.
	PRINCIPAL
	St. Wilfred's College o
	Arts, Commerce & Scier



(Affiliated to Mumbai University)

Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org F.Y.B.Com. (PAPER-VII)

Subject - Mathematical and Statistical Techniques I

SEM -I

CO1	Learners will be able to understand concepts of shares and mutual funds and analyse related problems.
CO2	Learn how to apply a particular statistical tool on the data and variables under consideration and apply various data types using various statistical techniques.
CO3	Lean the concepts of permutation and combination, L.P.P.
CO4	Learners will be able to understand and apply the concepts of decision theory.
CO5	Mathematical Formulation of Linear Programming Problems up to 3 variables.

F.Y.B.Com. (PAPER-I)

Subject - Accountancy and Financial Management II

SEM -II

CO1	Learners will be able to explain single entry system of bookkeeping.
CO2	Learners will be able to compare dependent branch accounting with
	independent branch accounting.
CO3	Learners will be able to identify consignment transactions.
CO4	Learners will be able to calculate fire insurance claim.
CO5	The course is mainly designed to give Working knowledge about
	treatment in respect of accounts to be prepared from incomplete
	records, Consignment Sale, Fire Insurance Claim and Branch
	Accounts.
	Level & science & science

PRINCIPAL St. Wilfred's College of Arts, Commerce & Science



(Affiliated to Mumbai University)

Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org F.Y.B.Com. (PAPER-II)

Subject - Commerce II

SEM -II

CO1	Understand the concept of Service, Marketing Mix for services and
	Service strategies.
CO2	Comprehend the concept of Retailing, Trends in retailing, Retail
	format and current scenario in retailing.
CO3	Familiarize with the recent trends in service sector.
CO4	Learn the concept and trends in E-Commerce.
CO5	Be aware of importance of Service Sector withspecial focus on the retail sector, Business Process Outsourcing, net banking and E-commerce.

F.Y.B.Com. (PAPER-III)

Subject - Business Economics - II

SEM -II

CO1	Understand Characteristics of Perfect Competition market structure and pricing in the market.
CO2	Learn Characteristics of Monopoly market structure and pricing in the market.
CO3	Learn Characteristics of Monopolistic Competition market structure and pricing in the market.
CO4	Understand Characteristics of Oligopoly market structure and pricing in the market.
CO5	Understand Capital budgeting using numerical.
	PRINCIPAL

St. Wilfred's College of Arts, Commerce & Science



(Affiliated to Mumbai University)

Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org

F.Y.B.Com. (PAPER-IV)

Subject - Business Communication II

SEM -II

CO1	Learners will be able to read, understand, analyze and interpret formal documents such as reports, notices, agenda, resolutions and
	letters of trade, inquiry, complaints, sales.
CO2	Learners will understand group communication and dynamics.
CO3	Apply Verbal and Non-Verbal Communication Techniques in the
	Professional Environment.
CO4	To provide knowledge of various media of communication.
CO5	To develop business communication skills through the application
	and exercises.

F.Y.B.Com. (PAPER-V)

Subject - Environmental Studies II

SEM -II

CO1	Learners get an insight of waste management, agricultural productivity, industrial pollution.
CO2	Green consumerism and green business are upcoming fields of interests which students can learn about.
CO3	Helps learners to explore the field of tourism with more importance of ecotourism.
CO4	Makes the learners aware about legal and statutory requirements for better environment management.
CO5	To inculcate values of Environmental ethics amongst the students.
	Stell & Science



PRINCIPAL St. Wilfred's College of Arts, Commerce & Science



(Affiliated to Mumbai University)

Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org F.Y.B.Com. (PAPER-VI)

Subject - Foundation Course - II

SEM -II

CO1	Learners will be able to understand the Diversity of Indian society,
	Disparities faced by economically, socially weaker sections of the
	society, problems that are being faced by the women in the society,
	Rights and Duties of citizens of India, significant aspects in Indian
	political system.
CO2	Learners will understand basic schedules and articles which are laid
	by the constitution to protect various groups of society and
	understand their difficulties and fight against exploitation towards
	them.
CO3	Learners will understand to become responsible and mature citizens
	of society and work for overall benefits.
CO4	Students would relate and discuss the various factors contributing to
	stress and conflicts in individuals and the society.
CO5	Students would discuss different methods of responding to conflicts
	and coping with stress in contemporary society.

F.Y.B.Com. (PAPER-VII)

Subject - Mathematical and Statistical Techniques II

SEM -II

CO1	Learners will get knowledge of interest, annuity, concepts of
	regression and correlation.
CO2	They will be able to understand concept of derivatives and apply
	them in various problems.
CO3	Knowledge about various Probability distributions will be obtained.
CO4	Learners will understand Time series, Index number.
CO5	To Build an understanding of the fundamental concept of Probability
	Theory.
	- And

PRINCIPAL St. Wilfred's College of Arts, Commerce & Science

(Affiliated to Mumbai University)

Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org S.Y.B.Com. (PAPER-I)

Subject - Accountancy and Financial Management III

SEM –III (FINANCE GROUP)

CO1	To familiarize the learners with the fundamental aspects of
	Partnership final accounts with attributes of admission, retirement
	and death of a partner.
CO2	To introduce the basic concepts, functions, process, techniques of
	Piecemeal Distribution of Cash.
CO3	To give a comprehensive overview of Amalgamation and
	Conversion of a Partnership firm.
CO4	Understand the legal provisions and accounting implications of
	Limited Liability Partnership.
CO5	Study how amalgamation impacts firms in accounting prospects.

S.Y.B.Com. (PAPER-II)

Subject - Financial Accounting and Auditing - Introduction to Management Accounting

SEM –III (FINANCE GROUP)

CO1	The learners will understand the practical application of various
	financial analysis tools.
CO2	Apply the financial tools in evaluation of the various targets
	achievable in future.
CO3	The course will make the students employable as Finance Manager
	in the field of Accounting and Finance.
CO4	To develop an understanding of management accounting.
CO5	To make learners aware of different capital budgeting techniques
	used by management in decision making.



Arialla

PRINCIPAL St. Wilfred's College of Arts, Commerce & Science



(Affiliated to Mumbai University)

Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org

S.Y.B.Com. (PAPER-III)

Subject - Commerce III

SEM -- III (FINANCE GROUP)

CO1	To familiarize the terms, concepts, evolution and approaches to
	Management.
CO2	To learn about planning, decision making, organizing, delegation,
	leadership, motivation and effective communication.
CO3	To learn control systems and techniques of controlling in
	management.
CO4	The students evaluate the planning function and decision-making
	process of management.
CO5	The student identifies the directing and controlling function of
	management with emphasis on motivation and leadership.

S.Y.B.Com. (PAPER-IV)

Subject - Business Economics III

SEM -- III (FINANCE GROUP)

CO1	Business Economics in Semester III covers the important aspects of
	Macroeconomics & related theories.
CO2	An introduction to the basic analytical tools of macroeconomics to
	evaluate macroeconomic conditions such as inflation,
	unemployment, and growth.
CO3	The aim is to provide a clear explanation of many aspects of
	aggregate economic variables to inspire a consistent way of thinking
	about key macroeconomic phenomena.
CO4	The course intends to familiarize the commerce students with basic
	concepts of macroeconomics and with certain common features of
	economic occurrence in the real world.
CO5	It intends to fantiliarize the commerce students with basic concepts
	of macroeconomics and with certain common features of economic
	occurrence in the real world. St. Wilfred's College
	Arts, Commerce & Sciel



(Affiliated to Mumbai University)

Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org S.Y.B.Com. (PAPER-V)

Subject - ADVERTISING - I

SEM –III (FINANCE GROUP)

CO1	Understanding of the fundamentals of advertising, its historical background and different types.
CO2	Economic, social and regulatory aspects of advertising.
CO3	Students are shown the practical ads through print and television ads to enable them to understand the practices in the ad world.
CO4	Awareness about planning and creativeness in making the advertisements along-with the media and agencies which help in preparing and placing the ads.
CO5	Students get the practical assignments and create the ads.

S.Y.B.Com. (PAPER-VI)

Subject - Foundation Course-III (CONTEMPORRY ISSUES)

SEM -- III (FINANCE GROUP)

CO1	Develop a basic understanding about issues related to human rights
	violations, ecology and urban rural disparities.
CO2	Gain an overview of significant skills required to address
	competition in career choices Appreciate the importance of
	developing a scientific temper towards technology and its use in
	everyday life.
CO3	Students would assess of violations of human rights on the basis of
	caste, tribe, gender and disabilities and their redressal mechanisms.
	They would also be able to discuss about the legal rights bestowed
	upon by the Constitution of India.
CO4	Students could relate with the environmental disaster and its impact
	on people and the society. They would also evaluate the ways to
	prevent, mitigate and deal with situations leading to disaster.
CO5	Students would relate and discuss the ancient cultures and practices
	and the development of science. They would examine the role of
	science in exploding myths and blind beliefs and would discuss the
	use of science and technology in everyday life.



(Affiliated to Mumbai University)

Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org S.Y.B.Com. (PAPER-VII)

Subject - Business Law I

SEM -- III (FINANCE GROUP)

CO1	Demonstrate an understanding of the Legal Environment of Business.
CO2	Identify the fundamental legal principles behind contractual agreements.
CO3	Apply basic legal knowledge to business transactions.
CO4	Communicate effectively using standard business and legal terminology.
CO5	The relevance of business law to individuals and businesses and the role of law in an economic, political and social context.

S.Y.B.Com. (PAPER-II)

Subject - Business Management - Marketing Management

SEM –III (Business Management group)

CO1	Understand the key terms, concepts and practices in Marketing
	management.
CO2	Familiarize about marketing environment and the importance of
	market segmentation.
CO3	Grasp the notability of product mix, branding, labeling and
	packaging.
CO4	Evaluate the strategies in physical distribution.
CO5	Apply the concepts of Advertising and sales promotions in
	marketing environment and to be cognizant the recent trends in
	marketing.



alle

PRINCIPAL St. Wilfred's College of Arts, Commerce & Science



(Affiliated to Mumbai University)

Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org

S.Y.B.Com. (PAPER-I)

Subject - Accountancy and Financial Management IV

SEM-IV

CO1	Exemplify to prepare and analyse the financial statements.
CO2	Acquire the basic concept of accounting terms.
CO3	Journalize the ability to rectify the errors in bank reconciliation
	statement.
CO4	Demonstrate insight into single and double entry system of
	accounting.
CO5	Determine the basics concepts of financial accounting.

S.Y.B.Com. (PAPER-II)

Subject - Financial Accounting and Auditing - Auditing

SEM-IV

CO1	Develop an understanding of auditing.
CO2	Acquaint themselves with audit planning, programming &
	documentation.
CO3	Understand about different techniques of auditing.
CO4	Explore a concept of vouching & verification under auditing.
CO5	Evaluate different alternatives available under capital budgeting
	techniques for managerial decision making.



indla

PRINCIPAL St. Wilfred's College of Arts, Commerce & Science



(Affiliated to Mumbai University)

Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org S.Y.B.Com. (PAPER-III)

Subject - Commerce IV

SEM-IV

CO1	Get an insight intoprinciples practices and techniques of company management.
CO2	Learn the basics of management functions applicable for effective management of accompany.
CO3	Learn about the application of principles and techniques of management in the fields such as production and finance.
CO4	Study contemporary terms as well as trends in the field of production, quality control, inventory management and control as well as finance.
CO5	To acquaint the learners with the basic concepts of Production Management, Inventory Management and Quality Management.

S.Y.B.Com. (PAPER-IV)

Subject - Business Economics IV

SEM-IV

CO1	To understand the learners with the various concepts related to
	public finance.
CO2	Evaluate the effects of taxation and public expenditure.
CO3	Evaluate the objectives of fiscal policy.
CO4	Analyze the sources of internal and external debt.
CO5	Differentiate between the balanced and unbalanced budget.



indla

PRINCIPAL St. Wilfred's College of Arts, Commerce & Science



(Affiliated to Mumbai University)

Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org S.Y.B.Com. (PAPER-V)

Subject - Advertising II

SEM-IV

CO1	Learners are expected to get oriented with Traditional media, New age media, and Media research.
CO2	Learners are expected to develop an understanding of the
	Advertising campaign, Advertising budget and Media planning.
CO3	Learners are expected to get acquainted with the fundamentals of
	creativity in advertising.
CO4	Learners are expected to get familiarized with the execution and evaluation of advertising.
CO5	To Understand the construction of an effective advertisement.

S.Y.B.Com. (PAPER-VI)

Subject - Foundation Course-IV (CONTEMPORRY ISSUES)

SEM-IV

CO1	Suggest provisions for effective implementation of citizen charter.
CO2	Play an important role in the conservation and preservation of the
	environment by understanding the precautionary and participation
	principle.
CO3	Evaluate the application of scientific technology to human welfare
	and environment.
CO4	Develop an understanding of how to prepare for various competitive
	examinations, set career goals and manage time efficiently and
	effectively.
CO5	Relevance of the wisdom of culture, political values and foreign
	policy for improved relations.
	And the second states
	St. Wilfred's College of
	Arts, Commerce & Scien



(Affiliated to Mumbai University)

Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org S.Y.B.Com. (PAPER-VII)

Subject - Business Law II

SEM-IV

CO1	Students will get overview of most of the laws applicable to
	Business.
CO2	Establishing a linkage between Law & Society.
CO3	Students will not only be aware of laws but also will be able to
	understand it applicability.
CO4	Students will get accustomed to follow various laws when they start
	their own business or work in the industry/corporate.
CO5	It will certainly help the students to understand the fundamentals of
	prescribed laws.

S.Y.B.Com. (PAPER-I)

Subject - Business Management - Marketing Management

SEM-IV(Business Management group)

CO1	Understand the key terms, concepts and practices in Marketing
	management.
CO2	Familiarize about marketing environment and the importance of
	market segmentation.
CO3	Grasp the notability of product mix, branding, labeling and
	packaging.
CO4	Evaluate the strategies in physical distribution.
CO5	Apply the concepts of Advertising and sales promotions in
	marketing environment and to be cognizant the recent trends in
	marketing.



indla

PRINCIPAL St. Wilfred's College of Arts, Commerce & Science

(Affiliated to Mumbai University)

Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org

T.Y.B.Com. (PAPER-I)

Subject - Financial Accounting and Auditing VII - Financial Accounting

SEM-V

CO1	To understand the concept of goodwill and method of its valuation.
CO2	To know the importance of IFRS and Financial statement as per
	IFRS norms.
CO3	To give working knowledge of accounting of Companies along with
	ascertainment of profits and loss in investment accounts.
CO4	Maintain his/her personal Investment Account as per Accounting
	Standard and calculate returns on investment in various securities.
CO5	Corelate various forms of ethics and to evaluate corporate
	governance, corporate social responsibility.

T.Y.B.Com. (PAPER-II)

Subject - Financial Accounting and Auditing VIII - Cost Accounting

SEM-V

CO1	Understand the basic concepts of cost, Elements and classification of
	cost.
CO2	Explain and record different types of costs relating to material,
	labour and overheads in the cost sheet.
CO3	Describe Inventory Control and Inventory Accounting and prepare
	Stock Ledger to value inventories.
CO4	Understand Classification of Overheads and would prepare a
	Statement showing Primary Distribution of Overheads.
CO5	Identify the reasons for disagreement of profits shown by Financial
	Accounts and Cost Accounts and prepare Reconciliation Statement.
	PRINCIPAL



PRINCIPAL St. Wilfred's College of Arts, Commerce & Science



(Affiliated to Mumbai University)

Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org

T.Y.B.Com. (PAPER-III)

Subject - Business Management Paper - I

SEM-V

CO1	Acknowledge the need for formal management education.
CO2	Acquire skills for becoming effective managers.
CO3	Practice management principles wherever possible and utilize the
	available resources more productively.
CO4	To Explain the financial concepts used in making business decision.
CO5	Utilize information by applying a variety of business and industry
	software and hardware to major business function.

T.Y.B.Com. (PAPER-IV)

Subject - Business Management Paper - II

SEM-V

CO1	Understand the basic concept of regarding different area of
	management.
CO2	Learn about decision making, planning and staffing etc.
CO3	Understand entire market mechanism.
CO4	Learn about determination of price and market promotion.
CO5	To know marketing and pricing decision.



indla

PRINCIPAL St. Wilfred's College of Arts, Commerce & Science



(Affiliated to Mumbai University)

Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org T.Y.B.Com. (PAPER-V)

Subject - Commerce V

SEM-V

CO1	Intercepts and familiarizes students with different and basic concepts
	of marketing mix, MIS and Marketing Research.
CO2	Updates students about marketing challenges faced by marketing
	managers in 21st century.
CO3	Makes students aware about competitive strategies for market
	leader, and various aspects of market.
CO4	To evaluate the pro's and con's of Internet, WWW, E-Commerce
	Applications, Benefits of EDI, Payments Systems, Securing the Web
	Servers, E-mail Security, Protocol concepts.
CO5	To Gain confidence in Digital Commerce applications and tools
	independently.

T.Y.B.Com. (PAPER-VI)

Subject - Business Economics V

SEM-V

CO1	It helps in analyses and critique the functioning of the Indian
001	Economy (i.e. Macro Economics Overview of India) in a lucid and
	yet in-depth manner. Keeping this in mind, it introduces Learners to
	the various issues and challenges of the Indian Economy.
CO2	It stresses the understanding of the New Economic Policy 1991 and
	its continued impact on the various sectors of the economy. All the
	three sectors of the economy i.e. primary, secondary and service.
CO3	Emphasis has been laid on familiarizing learners with the policies
	and programmers of the government, evaluating and analyzing their
	effect on the economy.
CO4	The Banking and financial markets are the backbone of the Indian
	financial sector. It makes them aware of recent trends, issues,
	challenges and retorms in these markets.
CO5	Overall, it will widen their knowledge base preparing them for their
	future career paths. St. Wilfred's College p
	Arts, Commerce & Scien



(Affiliated to Mumbai University)

Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org T.Y.B.Com. (PAPER-VII)

Subject - Export Marketing Paper - I

SEM-V

CO1	The student is able to examine the concept, factors influencing, importance, risk involved in export marketing, problems of India's export sector and direction of export trade for products and services.
CO2	The student examines various types of trade barriers, major Economic Groupings of the world, agreements of WTO and overseas market selection process.
CO3	Evaluates the student about the highlights and impact of Foreign Trade Policy and benefits to exporters.
CO4	Evaluates the various financial incentives, schemes and institutional assistances to Indian.
CO5	The students would be able to explore the various incentives offered for promoting exports.

T.Y.B.Com. (PAPER-VIII)

Subject - Marketing Research Paper - I

SEM-V

CO1	Understand different research methods.
CO2	Apply selected research methods.
CO3	Analyze and interpret both qualitative and quantitative data.
CO4	Conduct and analyses a focus group discussion.
CO5	Build a simple questionnaire from a web-based survey
	administration site.



indla

PRINCIPAL St. Wilfred's College of Arts, Commerce & Science

(Affiliated to Mumbai University)

Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org T.Y.B.Com. (PAPER-I)

Subject - Financial Accounting and Auditing IX - Financial Accounting

SEM-VI

CO1	Maintain and record accounting entries in the books of Transferor and Transferee Company and understand the procedure of corporate restructuring in terms of Amalgamation, Absorption and External Reconstruction.
CO2	Find out profit and loss arise due to International Transaction
	(Import and Export) of Goods and Assets and implement accounting standard in respect of foreign currency transaction.
CO3	Ascertain the funds to be distributed by official liquidator under
	legal provisions of liquidation of companies and find out the
	contribution to be made by List 'B' Contributories.
CO4	Familiarize with various types of underwriting and determine
	Underwriter's Liability.
CO5	Prepare financial statement of Limited Liability of Partnership and
	to convert Sole proprietorships and Partnership firm into Limited
	Liability Partnership.

T.Y.B.Com. (PAPER-II)

Subject - Financial Accounting and Auditing X - Cost Accounting

SEM-VI

CO1	Understand some emerging concepts of cost accounting.
CO2	Find out the profit or loss by preparing Contract Account and the
	treatment of profit on incomplete contracts.
CO3	Apply the method of Process Costing and ascertain normal loss,
	abnormal loss and abnormal gain.
CO4	Get insight into Profit-Volume Ratio, Break-Even Point and Margin
	of Safety. And Selen
CO5	Compare the actual costs with standard costs and ascertain the INCIPAL
	variances of Material and Labour. St. Wilfred's College of
	Arts, Commerce & Scien



(Affiliated to Mumbai University)

Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org

T.Y.B.Com. (PAPER-III)

Subject - Business Management Paper - III

SEM-VI

CO1	Acknowledge the need for formal management education.
CO2	Acquire skills for becoming effective managers.
CO3	Practice management principles wherever possible and utilize the
	available resources more productively.
CO4	Identifying the scope and complexity of Corporate Social
	Responsibility in the global and Indian context.
CO5	Articulating the learners with recent developments and trends in the
	business corporate world and societal development.

T.Y.B.Com. (PAPER-IV)

Subject - Business Management Paper - IV

SEM-VI

CO1	To provide introduction to Financial Management.
CO2	To create an awareness about capital structure and theories of capital
	structure.
CO3	To make them understand the cost of capital in wide aspects.
CO4	To provide knowledge about dividend policies and various dividend
	models.
CO5	To enable them to understand working capital management.



alla

PRINCIPAL St. Wilfred's College of Arts, Commerce & Science



(Affiliated to Mumbai University)

Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org

T.Y.B.Com. (PAPER-V)

Subject - Commerce VI

SEM-VI

CO1	Students would understand the concepts of human resource planning
	and recruitment.
CO2	Students would get knowledge about human resource development,
	performance appraisal and career planning.
CO3	Students would get knowledge about different theories in human
	relations, employee morale and employee grievances.
CO4	Students would understand the changing environment and
	challenges in human resource as well as trends in human resource.
CO5	Marketing-activities by company to promote selling f products or
	service, business promotion, focus on the application of marketing
	techniques & methods. Marketing-activities by company to promote
	selling f products or service, business promotion, focus on the
	application of marketing techniques & methods.



indla

PRINCIPAL St. Wilfred's College of Arts, Commerce & Science



(Affiliated to Mumbai University)

Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org

T.Y.B.Com. (PAPER-VI)

Subject - Business Economics VI

SEM-VI

CO1	Students would learn about the Terms of Trade and Gains form International Trade.
CO2	Students would learn the importance of Economic Integration using case studies.
CO3	It gives pros and cons about International Trade. It also introduces to them about various Tariff and Non-Tariff Barriers. Also, about International Economic Integration like EU, BREXIT and ASEAN
CO4	Students would be made aware of the different functions of Foreign Exchange Market and the various theories such as arbitrage, Purchasing Power Parity, etc.
CO5	It is essential to become familiar with Foreign Exchange when it comes to International Trade or foreign travel. Learners become aware of the functioning of foreign exchange markets and its players. Concept and types of Exchange rate are introduced to them



indla

PRINCIPAL St. Wilfred's College of Arts, Commerce & Science



(Affiliated to Mumbai University)

Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org

T.Y.B.Com. (PAPER-VII)

Subject - Export Marketing Paper - II

SEM-VI

CO1	The learners would be acquainted with the various aspects of product planning like branding, labelling, Marking, Packaging and the pricing strategies in export marketing.
CO2	The learners would know the pros and cons of the distribution channels and the various sales promotion techniques used in export marketing.
CO3	The learners would understand the procedural aspects involved in the process and the assistance rendered by commercial banks, EXIM, SIDBI in promoting exports.
CO4	The learners would know the role of important documents like the bill of lading, commercial invoice, consular invoice in the process of exports.
CO5	Evaluate export finance and their methods of payments pre and post shipments finance that is also referred as packing credit, role of export financing institutions etc.



indla

PRINCIPAL St. Wilfred's College of Arts, Commerce & Science



(Affiliated to Mumbai University)

Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org

T.Y.B.Com. (PAPER-VIII)

Subject - Marketing Research Paper - II

SEM-VI

CO1	To enhance the students understanding of the marketing research
	industry.
CO2	To develop skills required by the researcher and understand different
	applications of Marketing Research.
CO3	To explore different approaches of Marketing research.
CO4	To be able to exploit Marketing Research data for management
	decision making.
CO5	Identify sources of information

F.Y.BMS (PAPER-I)

Subject - Introduction to Financial Accounts

SEM-I

CO1	To understand journal entries, ledger posting and subsidiary books.
CO2	Explain purposes and functions of accounting.
CO3	To understand the preparation of financial statements.
CO4	Combine practice and theoretical knowledge of financial accounting.
CO5	Develop ability to prepare financial statements.



indla

PRINCIPAL St. Wilfred's College of Arts, Commerce & Science



(Affiliated to Mumbai University)

Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org F.Y.BMS (PAPER-II)

Subject - Business Law

SEM-I

CO1	Understand IP inventions and avoid IP infringements.
CO2	To acquaint the students with basics of intellectual property rights
	with special reference to Indian Laws and its practices.
CO3	To make aware of the basic rules and concepts of corporate law.
CO4	Spot legal problems before they become issues.
CO5	Apply basic legal knowledge to business transactions.

F.Y.BMS (PAPER-III)

Subject - Business Statistics

SEM-I

CO1	To understand the basic concepts, functions and methods of statistical tools.
CO2	To study the application of decision theory in business.
CO3	Measure performance of a business and identify trends.
CO4	Make sound and smart decisions for a company or business.
CO5	Produce appropriate graphical and numerical descriptive statistics for different types of data.



indla

PRINCIPAL St. Wilfred's College of Arts, Commerce & Science



(Affiliated to Mumbai University)

Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org

F.Y.BMS (PAPER-IV)

Subject - Business Communication - I

SEM-I

CO1	To understand the methods and modes of communication.
CO2	Foster good working relationships at their workplace.
CO3	To provide basic understanding of business correspondence.
CO4	Identify and apply suitable modes of communication.
CO5	To develop language and writing skills.

F.Y.BMS (PAPER-V)

Subject - Foundation Course - I

SEM-I

CO1	Understand overview of Indian Society.
CO2	Develop the concepts of disparity with regards to gender.
CO3	Examine various disparities in caste, intergroup conflict.
CO4	Focus on Indian Constitution & Fundamental Duties.
CO5	Analyses Political processes & various amendments.



indla

PRINCIPAL St. Wilfred's College of Arts, Commerce & Science



(Affiliated to Mumbai University)

Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org

F.Y.BMS (PAPER-VI)

Subject - Foundation of Human Skills

SEM-I

CO1	To understand about need for motivation at work place and how organizational culture can be nurtured and sustained.
CO2	Understand the Human nature and their behavior in organization.
CO3	Focus on team building and group behavior in the organization and in society.
CO4	Analyze the basic behavior pattern of human, which are important for business.
CO5	Discuss the different kinds of human nature with greater awareness of the human behavior.

F.Y.BMS (PAPER-VII)

Subject - Business Economics-I

SEM-I

CO1	Understand the importance of Business Economics in today's world.
CO2	Use critical thinking skills within the discipline of economics about
	economic matters.
CO3	Explain how the Demand and Forecasting are estimated.
CO4	Examines how an organization does the Costing of the product.
CO5	Demonstrate knowledge and proficiency in the overall foundations
	of an economy.



indla

PRINCIPAL St. Wilfred's College of Arts, Commerce & Science



(Affiliated to Mumbai University)

Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org F.Y.BMS (PAPER-I)

Subject - Principles of Marketing

SEM-II

CO1	Illustrate the different ideas of marketing concept.
CO2	Discuss the techniques about how to identify, understand and satisfy
	the needs of customers and markets.
CO3	Examine marketing mix and it four important elements which are
	required in the business.
CO4	Analyze companies and competitors and to introduce Marketing
	Strategies to increase awareness of the strategic and tactical
	decisions behind today's top performing brands.
CO5	Develops basic Marketing skills among students in order to cater to
	the Marketing Industry.

F.Y.BMS (PAPER-II)

Subject - Industrial Law

SEM-II

CO1	Understand the Judicial setup of Labour Laws.
CO2	Discuss the salient features of Welfare and Wage Legislations.
CO3	Focus on the laws relating to Industrial Relations, Social Security and Working conditions.
CO4	Enhance skills regarding the laws related to Working Conditions in different settings.
CO5	Apply aspects of employment law to real workplace situations.



PRINCIPAL

St. Wilfred's College of Arts, Commerce & Science



(Affiliated to Mumbai University)

Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org F.Y.BMS (PAPER-II)

Subject - Business Mathematics

SEM-II

CO1	Understand and calculate ratio, proportion & percentage.
CO2	Demonstrate to solve practical sums on profit and loss.
CO3	Evaluate concepts & calculate interest & annuity.
CO4	Explain simple problems on shares and mutual fund.
CO5	Demonstrate an understanding of the common body of knowledge in
	mathematics.

F.Y.BMS (PAPER-IV)

Subject - Business Communication-II

SEM-II

CO1	Enhance presentations skills.
CO2	Understand group communication - prepare for interview, meetings, conference and Public Relations.
CO3	Discuss trade letters like inquiry letter, complaint letter, RTI letter, grievance letter, sales letters etc.
CO4	Explain Reports & Summarize and enhance language & writing skills.
CO5	Demonstrate a good understanding of effective business writing.



indla

PRINCIPAL St. Wilfred's College of Arts, Commerce & Science



(Affiliated to Mumbai University)

Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org

F.Y.BMS (PAPER-V)

Subject - Foundation Course - II

SEM-II

CO1	Understand concepts of Liberalization, Privatization and
	Globalization and its impact on employment & society.
CO2	Explain knowledge on the Human Rights.
CO3	Discuss environmental concerns, causes of degradation, promoting sustainable development.
CO4	Identify causes of stress and conflicts in the society and manage
04	stress and promote socialization.
	stress and promote socialization.
CO5	Explain the effect of globalization on Indian Industry.

F.Y.BMS (PAPER-VI)

Subject - Business Environment

SEM-II

CO1	Explain business objectives and environmental analysis.
CO2	Understand the relation between business & society and aware about
	business ethics & Consumer Protection Act.
CO3	Illustrate the CSR, Carbon Credit and Social Audit.
CO4	Provide information about Foreign Trade, International
	Organizations, Global Strategies – MNCs & TNCs.
CO5	Identify the main features of the international business environment
	and its main institutions.



indla

PRINCIPAL St. Wilfred's College of Arts, Commerce & Science



(Affiliated to Mumbai University)

Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org F.Y.BMS (PAPER-VII)

Subject - Principles of Management

SEM-II

CO1	Discuss the basic Managerial Functions of Planning, Organizing, Staffing, Directing and Controlling resources to accomplish organizational goals.
CO2	Understanding the characteristics and skills of proper management
	by identifying what successful managers do and how they do it.
CO3	Explain the various tools and techniques to remain in competitive.
CO4	Illustrate the diverse learning opportunities for developing analytical and soft skills.
CO5	Practice the process of management's four functions: planning, organizing, leading, and controlling.

S.Y. BMS(Human Resource) (PAPER-I(a)

Subject - Recruitment & Selection

SEM-III

CO1	Familiarize the students with concepts and principles, procedure of
	Recruitment and Selection in an organization.
CO2	Demonstrate an in-depth insight into various aspects of Human
	Resource management in an organization.
CO3	Explain the various process and procedure about Recruitment and
	Selection.
CO4	Understand and make learner acquainted with practical aspects of
	the subject.
CO5	Describes job analysis, job design and induction as well.



alla

PRINCIPAL St. Wilfred's College of Arts, Commerce & Science



Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org S.Y. BMS (Human Resource) (PAPER-I(b)

Subject - Organization Behavior & HRM

SEM-III

CO1	To define and explain the basic concepts of organizational behavior and motivation.
CO2	To explain the essential concepts of organizational conflicts, resolution of conflicts through negotiation, change management and organizational development.
CO3	To familiarize the various aspects of HR, to deal effectively with people resourcing and talent management and HR functions in an organization.
CO4	To understand the concepts of HRD, its role and importance in the success of organization.
CO5	To develop an understanding towards compensation management and industrial relations.

S.Y. BMS (Human Resource) (PAPER-II)

Subject - Information Technology in Business Management - I

SEM-III

CO1	Understand basic concept of Email, Internet and Website Domains
	and Security.
CO2	Illustrate basic concept of Information Technology its support and
	role in Management for Managers.
CO3	Familiarize the basic concepts and its applications in managing
	business.
CO4	Enhance working knowledge of concepts and terminology related to
	information technology in open source.
CO5	Identify different types of threats to computer systems and control
	measures. (site & Science) findle
	PRINCIPAL
	St. Wilfred's College

Where the mind is without fear! where the head is held high!

Arts, Commerce & Science



(Affiliated to Mumbai University)

Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org S.Y. BMS (Human Resource) (PAPER-IV)

Subject - Environmental Management

SEM-III

CO1	Identify and value the effect of the pollutants on the environment: atmosphere, air, water and soil.
CO2	Illustrate skills and an improved understanding of how firms and organizations work with sustainability issues such as Environmental and Natural Resource Management.
CO3	Develop an activity using various strategies to control, reduce and monitor all environmental problems that might arise as a result.
CO4	Demonstrate professional Business Communication skills through writing, presentations and group discussions.
CO5	Adopt innovative technology for a greener future

S.Y. BMS (Human Resource) (PAPER-V)

Subject - Business Planning & Entrepreneurial Management

SEM-III

CO1	Understand the basic concepts of Entrepreneurship to budding
	managers.
CO2	Develop responsibility of full line of management function of a
	company with special reference to SME sector.
CO3	Identify areas of Discipline of Management & Entrepreneurship.
CO4	Demonstrate the systematic process and to select and screen a business idea.
CO5	Develop entrepreneurship skills among the students.



alla

PRINCIPAL St. Wilfred's College of Arts, Commerce & Science

(Affiliated to Mumbai University)

Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org S.Y. BMS (Human Resource) (PAPER-VI)

Subject - Accounting for Managerial Decisions

SEM-III

CO1	Equip management learners with basic Accounting Fundamentals
	for making Business decisions.
CO2	Develop financial analysis skills among learners.
CO3	Focus should be placed on explaining the core concepts of business
	Finance and its importance in managing a business.
CO4	Analyze various techniques to various domains concerned with
	Accounting based applications and solutions.
CO5	Understand the core concepts of business finance and its importance
	in managing a business.

S.Y. BMS (Human Resource) (PAPER-VII)

Subject - Strategic Management

SEM-III

CO1	Understand and apply the Strategic Management process.
CO2	Analyze and improve organizational performance.
CO3	Illustrate the impact of social, economic and political forces of organization's policy.
CO4	Critically examine the management of the entire enterprise from the top management viewpoint.
CO5	Learn to critically examine the management of the entire enterprise from the top management viewpoints.



alla

PRINCIPAL St. Wilfred's College of Arts, Commerce & Science



(Affiliated to Mumbai University)

Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org

S.Y. BMS (Finance) (PAPER-I)

Subject - Equity & Debt Market

SEM-III

CO1	Understand the evolution of various aspects of financial markets.
CO2	Understand the framing of financial policies, development of
	financial instruments and processes and evolving the strategies in
	crisis.
CO3	To provide an overview of the Indian equity market, growth and
	development.
CO4	To understand the various components of primary and secondary
	market for equity in India.
CO5	To understand the role and functions of the various intermediaries
	and regulatory bodies in the Indian Equity Market.

S.Y. BMS (Finance) (PAPER-II)

Subject - Introduction to Cost Accounting

SEM-III

CO1	Understand the basic concepts and the tools used in Cost
	Accounting.
CO2	Enable the students to understand the principles and procedure of
	Cost Accounting and to apply them to different practical situations.
CO3	Explain and solve problems related to Process Costing, Job Costing,
	Cost Classification etc.
CO4	Demonstrate reconciliation of cost sheet and financial accounts.
CO5	To enable the learners in understanding, developing, preparing and
	presenting the financial report in the business corporates.



PRINCIPAL St. Wilfred's College of Arts, Commerce & Science

indla



(Affiliated to Mumbai University)

Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org S.Y. BMS (Marketing) (PAPER-I)

Subject - Consumer Behaviour

SEM-III

001	
CO1	The basic objective of this course is to develop an understanding
	about the consumer decision making process and its applications in
	marketing function of firms.
CO2	The objective is to equip undergraduate students with basic
	knowledge about issues and dimensions of consumer behavior and
	the environmental determinants that impact their buying habits and
	behavior.
CO3	Students are expected to develop the skills and understanding and
	analysing consumer information to develop marketing strategies and
	take effective decisions.
CO4	Apply consumer behavior concepts to marketing problems that are
	likely to involve consumer consumption, with identity and lifestyle
	implications.
CO5	Understand research methodologies that can be used to investigate
	consumer behavior and guide managerial decision-making.

S.Y. BMS (Marketing) (PAPER-II)

Subject - Advertising

SEM-III

CO1	To understand and examine the growing importance of advertising
	in communication mix.
CO2	To understand the construction of an effective advertisement in
	various media.
CO3	To understand the role and issues of advertising in contemporary
	society.
CO4	To explore the future of and careers in advertising.
CO5	Explain the role of marketing and advertising planning. St. Wilfred's College
	Arts, Commerce & Scie



Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org S.Y. BMS (Human Resource) (PAPER-I)

Subject - Human Resource Planning & Information System

SEM-IV

CO1	To discuss issues related to HRIS.
CO2	To develop an understanding about application of HRIS.
CO3	Acquire knowledge of fundamental concepts of HRIS
CO4	Gain in-depth understanding of various HRIS functions and their applicability in the organizations
CO5	Manage own professional development and provide leadership to others in the achievement of ongoing competence in human resources professional practice.

S.Y. BMS (Human Resource) (PAPER-II)

Subject - Training & Development in HRM

SEM-IV

CO1	To understand the concept and growing importance of HRM in service sector.
CO2	To understand how to manage human resources in service sector.
CO3	To understand the significance of human element in creating customer satisfaction through service quality.
CO4	Apply advanced training strategies in an organization.
CO5	Analyse training needs of an organization.



alla

PRINCIPAL St. Wilfred's College of Arts, Commerce & Science

(Affiliated to Mumbai University)

Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org S.Y. BMS (Human Resource) (PAPER-III)

Subject - Information Technology in Business Management-II

SEM-IV

CO1	To understand managerial decision making and to develop perceptive of major functional area of MIS.
CO2	To provide conceptual study of ERP, SCM, CRM, key issues in implementation.
CO3	To learn and understand relationship between database management and data warehouse approaches etc.
CO4	Develop a clear understanding of Information Technology.
CO5	Demonstrate the ability to manage the dissemination of information via different formats.

S.Y. BMS (Human Resource) (PAPER-IV)

Subject - Foundation Course-Contemporary Issues-IV

SEM-IV

CO1	Students should be able to identify, analyze, interpret and describe
	the critical ideas, values, and themes that appear in literary and
	cultural texts and understand the way these ideas, values, and themes
	inform and impact culture and society, both now and in the past.
CO2	Students should be able to write analytically in a variety of formats,
	including essays, research papers, reflective writing, and critical
	reviews of secondary sources.
CO3	To learn the applicability of ethics in functional areas like
	marketing, finance and human resource management.
CO4	To understand the emerging need and growing importance of good
	governance and CSR by organizations.
CO5	To study the ethical business practices, CSR and Corporate
	Governance practiced by various organizations.
	St. Wilfred's College Arts, Commerce & Scie

St. wiitred's College of Arts, Commerce & Science



(Affiliated to Mumbai University)

Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org S.Y. BMS (Human Resource) (PAPER-V)

Subject - Business Research Methods

SEM-IV

CO1	To inculcate the analytical abilities and research skills among the students.
CO2	To give hands on experience and learning in Business Research.
CO3	Demonstrate the ability to think critically, research, and reason.
CO4	Apply appropriate research design and methods to address business problems.
CO5	Develop skills in qualitative and quantitative data analysis and presentation.

S.Y. BMS (Human Resource) (PAPER-VI)

Subject - Business Economics-II

SEM-IV

CO1	To understand the evolution and operation of economic policies.
CO2	To learn about the effect of macroeconomic policies on managerial
	decisions.
CO3	Analyze the industry structure and firm-level conduct to develop
	profit maximizing pricing and production strategies.
CO4	Identify the causes of prosperity, growth, and economic change over
	time and explain the mechanisms through which these causes
	operate in the economy.
CO5	Define monetary policy and differentiate it from fiscal policy;
	identify the tools of monetary policy and fiscal policy.



alla

PRINCIPAL St. Wilfred's College of Arts, Commerce & Science

(Affiliated to Mumbai University)

Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org

S.Y. BMS (Human Resource) (PAPER-VII)

Subject -Production & Total Quality Management

SEM-IV

CO1	Explain the concepts of Total Quality Management and Total
	Quality Education.
CO2	To acquaint learners with the basic management decisions with
	respect to production and quality management.
CO3	To identify key leaders in the field of quality and their contributions.
CO4	Implement the principles of TQM in manufacturing and service-
	based organization for continuous quality improvement.
CO5	Apply the PDCA cycles to various organization process.

S.Y. BMS (Finance) (PAPER-I)

Subject - Financial Institutions & Markets

SEM-IV

CO1	To study the structure and components of the Indian financial
	system.
CO2	To provide an overview of the Indian financial regulatory
	framework.
CO3	To understand the Indian Financial System and its functioning.
CO4	To develop an understanding of different aspects of the Indian
	capital market, debt market, money market, commodity market and
	derivatives market.
CO5	Critically evaluate the historical development of regulations and
	supervision of financial markets.



indla

PRINCIPAL St. Wilfred's College of Arts, Commerce & Science



(Affiliated to Mumbai University)

Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org S.Y. BMS (Finance) (PAPER-II)

Subject - Strategic Cost Management

SEM-IV

CO1	Develop skills of analysis, evaluation and synthesis in cost and management accounting.
CO2	Familiarize the learners to understand and develop new strategies for cost management.
CO3	Understanding various decision-making and controlling operations techniques by managing cost.
CO4	Analyze new ways and methods for cost control and cost management.
CO5	To acquaint the learners with recent developments and trends in the business corporate world.

S.Y. BMS (Marketing) (PAPER-I)

Subject - Integrated Marketing Communication

SEM-IV

CO1	Quickly understand a company and its marketing communications
	activities.
CO2	Thoroughly describe a range of media and methods available to
	marketers.
CO3	Clearly argue a point of view regarding marketing communications.
CO4	Demonstrate a comprehensive understanding of Marketing
	Communications theories.
CO5	Apply relevant technology for the production and management of
	tourism experiences.



dhe

PRINCIPAL St. Wilfred's College of Arts, Commerce & Science

(Affiliated to Mumbai University)

Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org S.Y. BMS (Marketing) (PAPER-II)

Subject - Rural Marketing

SEM-IV

CO1	Learners will be able to describe a strong foundation of concepts, approaches and analytical skills for successful marketing of products and services to rural consumers and users.
CO2	Learners will be able to identify the new difficulties that rural economy will face in the near future.
CO3	Learners will be able to discover the possibilities and potential of the rural market.
CO4	Learners will be able to summaries importance of agrarian contribution to GDP.
CO5	Learners will be able to design promotional campaign based on rural India needs.

T.Y. BMS (PAPER-I)

Subject - Logistics & Supply Chain Management

SEM-V

CO1	Focus on the concepts of applied in Logistics and Supply Chain
	Management.
CO2	Illustrate concepts like inbound and outbound Logistics, offshore
	and inshore logistics.
CO3	Develop skills for planning, designing the operational facilities of
	supply chain with the analytical and critical point of view.
CO4	Understand how logistics play an important role in redefining value
	chain globally.
CO5	Compare modes of transportation and related policies. Outline
	computer and supply chain security measures.
	(the second sec

PRINCIPAL St. Wilfred's College of Arts, Commerce & Science



Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org T.Y. BMS (PAPER-II)

Subject - Corporate Communication & Public Relations

SEM-V

CO1	Understand of the concepts of corporate communication and public relations.
CO2	Examine how various elements of corporate communication must be coordinated to communicate effectively.
CO3	Develop critical understanding of the different practices associated with corporate communication.
CO4	Explain various aspects and theories of Public Relations.
CO5	Demonstrate various Mass Media laws and use of technology and correspondence in day-today activities of an organization.

T.Y. BMS (Finance) (PAPER-III)

Subject - Investment Analysis& Portfolio Management

SEM-V

CO1	Equip the term such as Beta & capital Assets Pricing Model for better correlation in practical world.
CO2	Analyze concept of risk & return associated with various investments avenues.
CO3	Understand various model & techniques of security portfolio analysis.
CO4	Familiarize short term & long-term investments avenues and will be able to develop Portfolio Management.
CO5	Learners understood various models and techniques of security and portfolio analysis.



de

PRINCIPAL St. Wilfred's College of Arts, Commerce & Science

(Affiliated to Mumbai University)

Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org T.Y. BMS (Finance) (PAPER-IV)

Subject - Commodity & Derivatives Market

SEM-V

CO1	Students gained the knowledge of Income Tax act 1961.
CO2	Students able to calculate income from Salary, House property, Capital Gain, Business and Profession, Other Sources.
CO3	Students know the various exemptions available under section 10.
CO4	Students learn and apply deductions under section 80 while calculating net taxable income.
CO5	Students able to compute total income of assess.

T.Y. BMS (Finance) (PAPER-V)

Subject - Direct Taxes

SEM-V

CO1	Understand the basic concepts of Direct Taxes on Individual, Firm,
	NRI, Residential Status etc.
CO2	Explain the importance and the basic knowledge of tax structure in
	the country.
CO3	Focus on the practical applicability of taxes in the Corporate to pay
	on time.
CO4	Evaluate and understand the calculations of various taxes along with
	deductions and exemptions given by the Government time to time.
CO5	Compute taxable income of individuals.



alla

PRINCIPAL St. Wilfred's College of Arts, Commerce & Science

(Affiliated to Mumbai University)

Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org T.Y. BMS (Finance) (PAPER-VI)

Subject - Financial Accounting

SEM-V

CO1	Understand the final accounts of companies.
CO2	Familiarize provisions relating to underwriting of shares and
	debentures.
CO3	Demonstrate accounting of foreign currency and investments.
CO4	Identify the need of ethical behavior in accountancy and its practical
	applicability.
CO5	Students will revisit and strengthen fundamental accounting
	principles and processes, learn relevant accounting standards,
	accounting treatment for depreciation and other special transactions
	culminating in the preparation of financial statements of sole
	proprietorship in manufacturing concerns.

T.Y. BMS (Human Resource) (PAPER-VII)

Subject - Finance for HR Professionals & Compensation Management

SEM-V

CO1	Understanding HR professionals within financial concepts to enable
	them to make Prudent HR decisions.
CO2	Evaluating the various compensation plans available for Human
	Resources.
CO3	Illustrate the issues related to compensation management and the
	legal framework of a country.
CO4	Familiarize the role of various bodies involved in Compensation
	Management.
CO5	Examine the various dimensions of Compensation Management
	used by the companies to attract, retain, motivate and to reward
	employee performance.

R IS College of Price College

PRINCIPAL St. Wilfred's College of Arts, Commerce & Science



Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org T.Y. BMS (Human Resource) (PAPER-VIII)

Subject - Performance Management & Career Planning

SEM-V

CO1	Understanding the concept of performance management in organizations.
CO2	Evaluating performance appraisal Techniques and methods for employees.
CO3	Demonstrate the significance of career planning and practices through performance appraisal.
CO4	Identify the various methods of motivation for under-performing and high performing team members of an organization.
CO5	Enhance their skills in setting clear expectations and objectively measuring individual performance using objectives and competencies as key measures.

T.Y. BMS (Human Resource) (PAPER-IX)

Subject - Talent & Competency Management

SEM-V

CO1	Understand and explain talent Management practices in India and
	Global level.
CO2	To Examine the process for identifying high potential talent and
	developing a pipeline of talent to serve organizational present and
	future needs.
CO3	To examine the processes for talent development and succession
	planning.
CO4	To study about future directions in talent management practice and
	research.
CO5	Individual vs organizational perspective of managing career
	the & Science



PRINCIPAL St. Wilfred's College of Arts, Commerce & Science



Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org T.Y. BMS (Human Resource) (PAPER-X)

Subject - Strategic Human Resource Management & HR Policies

SEM-V

CO1	Understand human resource management from a strategic perspective.
CO2	understand to link the HRM functions to corporate strategies in order to understand HR as a strategic resource.
CO3	Understand the relationship between strategic human resource management and organizational performance
CO4	Apply theories and concepts relevant to strategic human resource management in contemporary organizations.
CO5	Understand the purpose and process of developing Human Resource Policies.

T.Y. BMS (Marketing) (PAPER-I)

Subject - Services Marketing

SEM-V

CO1	To understand fundamentals of service marketing
CO2	To understand different models of service marketing
CO3	To understand service marketing in various sectors
CO4	Analyze, interpret and solve problems in service Recovery.
CO5	Perform lifelong learning and professional development to enrich the
	services marketing strategies.



indla

PRINCIPAL St. Wilfred's College of Arts, Commerce & Science



Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org T.Y. BMS (Marketing) (PAPER-II)

Subject - E-Commerce & Digital Marketing

SEM-V

CO1	To understand increasing significance of E-Commerce and its applications in business and Various Sectors.
CO2	To provide an insight on Digital Marketing activities on various Social Media platforms and its emerging significance in Business.
CO3	To understand Latest Trends and Practices in E-Commerce and Digital marketing, along with its Challenges and Opportunities for an Organization.
CO4	Understand the processes of developing and implementing information systems.
CO5	Be aware of the ethical, social, and security issues of information systems.

T.Y. BMS (Marketing) (PAPER-III)

Subject - Sales & Distribution Management

SEM-V

CO1	Develop understanding of the sales and distribution process in organizations.
CO2	Get familiarized with concepts of sales department.
CO3	Understand the working of Distribution Channel Management.
CO4	Understand the Ethics in Sales Management.
CO5	Framing policies and plan for sales organization and channels.



indla

PRINCIPAL St. Wilfred's College of Arts, Commerce & Science



Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org T.Y. BMS (Marketing) (PAPER-IV)

Subject - Strategic Marketing Management

SEM-V

CO1	Identify the foundation terms and concepts that are commonly used in Marketing.
CO2	Learn to identify the essential Elements for effective Marketing practice.
CO3	Give complete relationship between Marketing and other Management functions.
CO4	Understand the Nature, Scope and basic Marketing Concepts and Strategies.
CO5	Use Marketing information and research to develop Marketing strategies.

T.Y. BMS (PAPER-I)

Subject - Operation Research

SEM-VI

CO1	Identify and develop operational research models from the verbal
	description of the real system.
CO2	Understand the mathematical tools that are needed to solve
	optimization problems.
CO3	Use mathematical software to solve the proposed models.
CO4	Develop a report that describes the model and the solving technique,
	analyses the results and propose recommendations in language
	understandable to the decision-making processes in Management
	Engineering.
CO5	Formulate Network models for service and manufacturing systems,
	and apply operations research techniques and algorithms to solve U.a.
	these Network problems PRINCIPAL
	St. Wilfred's College Arts, Commerce & Scie



(Affiliated to Mumbai University)

Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org

T.Y. BMS (PAPER-II)

Subject - Project Work

SEM-VI

CO1	Identify the different project contexts and suggest an appropriate
	management strategy.
CO2	Practice the role of professional ethics in successful software
	development.
CO3	Identify and describe the key phases of project management.
CO4	Determine an appropriate project management approach through an
	evaluation of the business context and scope of the project.
CO5	Develop solutions for contemporary problems using modern tools
	for sustainable development.

T.Y. BMS(Finance)(PAPER-I)

Subject - Innovative Financial Services

SEM-VI

CO1	Explain the relevance of financial services to the individual.
CO2	Demonstrate an awareness of the current structure and regulation of
	the Indian financial services sector.
CO3	To familiarize the learners with the fundamental aspects of various
	issues associated with financial services.
CO4	To give a comprehensive overview of emerging financial services in
	the light of globalization.
CO5	To make them understand the importance of consumer finance and
	credit rating.
	site & Science



PRINCIPAL St. Wilfred's College of Arts, Commerce & Science

(Affiliated to Mumbai University)

Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org

T.Y. BMS(Finance)(PAPER-II)

Subject - Strategic Financial Management

SEM-VI

CO1	Consolidate knowledge of and apply the technical language and practices of financial management.
CO2	Critically analyze topical Financial Management issues within a strategic context.
CO3	Analyze financial data and provide a decision on a course of action that is in the best interest of firm shareholders.
CO4	To acquaint learners with contemporary issues related to financial management.
CO5	To acquaint learners with application of financial management in the banking sector.

T.Y. BMS(Finance)(PAPER-III)

Subject - Indirect Taxes

SEM-VI

CO1	Understand the applicability of GST and to develop understanding about how revenue is collected in the form of indirect tax.
CO2	Understand where GST is applicable and on which supply and how to calculate GST and claim input tax credit.
CO3	Understand the major implication of GST on business operations in India and its impact on company and clients.
CO4	Do the process of registration of GST as per law.
CO5	Knowing "place of supply rules" and applicability of the same under
	GST.

PRINCIPAL St. Wilfred's College of Arts, Commerce & Science



(Affiliated to Mumbai University)

Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org T.Y. BMS(Finance)(PAPER-IV)

Subject - Project Management

SEM-VI

CO1	Select alternative projects among often competing objectives using multiple criteria decision-making techniques.
CO2	Applies the PM processes to initiate, plan, execute, monitor and control, and close projects and to coordinate all the elements of the project.
CO3	Assume responsibility as a professional practitioner of project management, applying PM principles and practices while maintaining high standards of practice.
CO4	To familiarize the learners with the fundamental aspects of various issues associated with project management.
CO5	To give a comprehensive overview of project management as a separate area of management.

T.Y. BMS (Human Resource) (PAPER-I)

Subject - HRM in Global Perspective

SEM-VI

CO1	To introduce the students to the study and practice of IHRM.
CO2	To understand the concepts, theoretical framework and issue of HRM in Global Perspective.
CO3	To get insights of the concepts of expatriates and repatriates.
CO4	To find out the impact of cross culture on Human Resource management.
CO5	To provide information about Global Workforce management.



indla

PRINCIPAL St. Wilfred's College of Arts, Commerce & Science



Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org T.Y. BMS (Human Resource) (PAPER-II)

Subject - Organizational Development

SEM-VI

CO1	To understand the concept of OD.
CO2	Identify, interpret, diagnose organizational needs for development and change, recommend and implement development solutions to organizational problems.
CO3	To understand the phases of OD.
CO4	Demonstrate conceptualized knowledge of the characteristics and processes of organizational development.
CO5	Develop, implement, and evaluate organizational development strategies aimed at promoting organizational effectiveness.

T.Y. BMS (Human Resource) (PAPER-III)

Subject - HRM in Service Sector Management

SEM-VI

CO1	To understand issues & challenges of HR in labor.
CO2	Helps to understand how to tackle with attrition of the employees.
CO3	To understand the ways to retain employee.
CO4	To understand globalization of services.
CO5	Deal with issues and challenges of HR in service sector.



indla

PRINCIPAL St. Wilfred's College of Arts, Commerce & Science

(Affiliated to Mumbai University)

Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org

T.Y. BMS (Human Resource) (PAPER-IV)

Subject - Human Resource Accounting & Audit

SEM-VI

CO1	To familiarize the students with the Human Resource Accounting
	Practices in India.
CO2	To familiarize the learners with the process and approaches of
	Human Resources Accounting and Audit.
CO3	To understand the significance of Human Resource Auditing as a
	Tool of Human Resource Valuation.
CO4	Describe and illustrate the concepts related to human resource
	accounting & compensation management.
CO5	Describe and facilitate the HR Audit for Legal Compliance and Safe
	Business Practices.

T.Y. BMS (Marketing) (PAPER-I)

Subject - Brand Management

SEM-VI

CO1	To know how to build, sustain and grow brands.
CO2	Understand the concept of Brand Management.
CO3	To know the various sources of brand equity.
CO4	Understand the significance of Brand Management for the company.
CO5	Know how to build, sustain and grow brands and to know various
	sources of brand equity.



indla

PRINCIPAL St. Wilfred's College of Arts, Commerce & Science



(Affiliated to Mumbai University)

Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org T.Y. BMS (Marketing) (PAPER-II)

Subject - Retail Management

SEM-VI

CO1	To understand retail concepts and operations.
CO2	To understand types of retailer.
CO3	To understand merchandise management.
CO4	To understand legal and ethical aspect of retail.
CO5	To create awareness of emerging trends.

T.Y. BMS (Marketing) (PAPER-III)

Subject - International Marketing

SEM-VI

CO1	To understand international marketing, its advantages and
	challenges.
CO2	To provide an insight on the dynamics of international marketing.
CO3	To understand the relevance of international marketing mix decisions and recent developments in Global Market.
004	
CO4	They will have insights to marketing research, international business
	environment as well as international marketing mix.
CO5	The learners will get an understanding of strategies to enter
	international markets.



indla

PRINCIPAL St. Wilfred's College of Arts, Commerce & Science



Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org T.Y. BMS (Marketing) (PAPER-IV)

Subject - Media Planning & Management

SEM-VI

CO1	To understand Media Planning, Strategy and Management with reference to current business scenario.
CO2	To know the basic characteristics of all media to ensure most effective use of advertising budget.
CO3	To provide an insight on Media Planning, Budgeting, Scheduling and Evaluating the Different Media Buys.
CO4	Will be able to provide convincing justifications for their decisions related to media strategies.
CO5	Develop a clarity of thought while discussing media in a campaign environment.

F.Y. BBI (PAPER-I)

Subject - Environment and Management of Financial Services

SEM-I

CO1	To understand financial system.
CO2	To learn the phases of development in Banking and Insurance.
CO3	To understand risk management, asset-liability management and organizational structure.
CO4	To learn regulatory and developmental framework of banking and insurance.
CO5	To help students realize the quintessential role of banks and insurance in the world today.



indla

PRINCIPAL St. Wilfred's College of Arts, Commerce & Science



(Affiliated to Mumbai University)

Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org F.Y. BBI (PAPER-II)

Subject - Principles of Management

SEM-I

CO1	To understand the process of management.
CO2	To understand the working of an business organization
CO3	To inculcate basic managerial skills.
CO4	To understand how the skills can be executed.
CO5	To apply strategic organization planning

F.Y. BBI (PAPER-III)

Subject - Financial Accounting - I

SEM-I

CO1	To understand the basic concept of bookkeeping with journal &
	ledger.
CO2	To understand the concept of preparing trial balance and final
	account.
CO3	To understand the concept of bifurcation of revenue and
	expenditure.
CO4	To understand the method of calculation of stock ledger and stock
	reconciliation.
CO5	To Understand closing of accounts at the end of the year for sole
	trading concern and partnership firms.



indle

PRINCIPAL St. Wilfred's College of Arts, Commerce & Science



(Affiliated to Mumbai University)

Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org

F.Y. BBI (PAPER-IV)

Subject - Business Economics-I

SEM-I

CO1	To understand the role and working of business economics.
CO2	To apply the economic rules and principles in day to day daily life.
CO3	To apply economic policies in professional environment.
CO4	To Understand markets structures such as perfect competition, monopoly, monopolistic competition and oligopoly.
CO5	To acquaint the students with the economic principles as are applicable in business.

F.Y. BBI (PAPER-V)

Subject - Quantitative Methods-I

SEM-I

CO1	Understanding of different ways of representations of statistical data.
CO2	Understanding of standard statistical measures and ability of computation of statistical measures.
CO3	Ability to compare different statistical data by computation and by curve observation.
CO4	Understanding basic concepts of probability theory and ability to solve practical problems.
CO5	Understanding basics of insurance.



indla

PRINCIPAL St. Wilfred's College of Arts, Commerce & Science



(Affiliated to Mumbai University)

Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org F.Y. BBI (PAPER-VI)

Subject - Business Communication-I

SEM-I

CO1	The different modes and methods of communication helps the students to refresh their knowledge on video conferencing, fax though now not in use.
CO2	The business ethics and the different social problems which surface out in the society are given, hands on experience.
CO3	Knowledge and understanding of key communication concepts in corporate and global world.
CO4	To develop communication skills and overall personality development of the students.
CO5	Students will develop business correspondence skill.

F.Y. BBI (PAPER-VII)

Subject - Foundation Course - I

SEM-I

CO1	To sensitize learners about Indian society.
CO2	To understand multi-cultural diversity of Indian society.
CO3	To Understand of India's political processes and the Indian
	constitution Understood stratified reasons as to differences and
	women problems.
CO4	Understood the fundamental duties of Indian citizen specified in
	Indian Constitution.
CO5	To Understand multi-cultural diversity of Indian society.
	Sice & Science



PRINCIPAL St. Wilfred's College of Arts, Commerce & Science



(Affiliated to Mumbai University)

Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org F.Y. BBI (PAPER-I)

Subject -Principles and Practices of Banking & Insurance

SEM-II

CO1	To understand scope, functions and need of banking.
CO2	To know the banking scenario in India.
CO3	To learn about Insurance sector, risk and return relationship.
CO4	To understand Principles of insurance, risk & return relationship.
CO5	To know about growth of Insurance Business, Regulations role of
	IRDA.

F.Y. BBI (PAPER-II)

Subject - Business Law

SEM-II

CO1	Helps to understand the different types of laws.
CO2	To understand natural justice, Constitution of India,
CO3	To understand laws of contract, negotiable instruments.
CO4	To understand laws related to information technology.
CO5	It provides Knowledge of Consumer Protection Act, 1986.



indla

PRINCIPAL St. Wilfred's College of Arts, Commerce & Science



(Affiliated to Mumbai University)

Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org

F.Y. BBI (PAPER-III)

Subject - Financial Accounting - II

SEM-II

CO1	To understand the Accounting procedure and treatment with reference to Valuation of Goodwill and shares.
CO2	To understand the Legal provisions and treatment with reference to
	Redemption of preference shares.
CO3	To understand the legal provisions and accounting treatment with
	respect to Buy back of Equity shares.
CO4	To understand the legal provisions and Accounting procedures with
	reference to Redemption of debentures.
CO5	It helps student to understanding valuation of goodwill and Buyback
	of equity shares and redemption of Preference shares Redemption of
	debentures.

F.Y. BBI (PAPER-IV)

Subject -Business Communication-II

SEM-II

Helps students to prepare for the presentation skills
The stage fear is reduced and they become fluent in English
communication even though they are from vernacular
The formal letter writing skills are improved.
Group discussion as a practical experience helps the students
Understanding business correspondence, language and writing
skills.



PRINCIPAL St. Wilfred's College of Arts, Commerce & Science

indla



(Affiliated to Mumbai University)

Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org

F.Y. BBI (PAPER-V)

Subject -Foundation Course - II

SEM-II

CO1	It focus on understanding the concepts of liberalization, privatization and globalization and its requirement in the economy.
CO2	It focuses on importance of Environment Studies in the current
	developmental context.
CO3	It focus on understanding the concepts of liberalization,
	privatization and globalization and its requirement in the economy.
CO4	It focuses on importance of Environment Studies in the current
	developmental context.
CO5	Understanding the importance of environmental studies.

F.Y. BBI (PAPER-VI)

Subject - Organizational Behavior

SEM-II

CO1	To provide basic knowledge of key approaches of organizational
	behavior.
CO2	To understand model relating to organizational behaviour.
CO3	To understand the Time and stress Management.
CO4	To understand the importance and Techniques of OD.
CO5	To Develop organizational culture and organizational development.



indla

PRINCIPAL St. Wilfred's College of Arts, Commerce & Science



(Affiliated to Mumbai University)

Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org F.Y. BBI (PAPER-VII)

Subject - Quantitative Methods-II

SEM-II

CO1	Understanding of basics of sampling and ability to test hypotheses
CO2	Understanding of decision making problems and formulation of the
	same as mathematical problem
CO3	Ability to solve real decision making problems through application
	of graphical method or simplex method
CO4	Ability to do basic mathematical computations such as ratio,
	percentage and understanding of variations
CO5	Understanding the application of statistical measures in investment
	management and understanding basic economic

S.Y. BBI (PAPER-I)

Subject - Financial Management -I

SEM-III

CO1	The syllabus aims to test the student's ability to understand the
	Financial management.
CO2	To understand the Concept of Cost of Capital.
CO3	To understand the Dividend policy decisions.
CO4	Knowledge and understanding of financial management.
CO5	Financial planning and Capital budgeting.



alla

PRINCIPAL St. Wilfred's College of Arts, Commerce & Science



(Affiliated to Mumbai University)

Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org S.Y. BBI (PAPER-II)

Subject - Management Accounting

SEM-III

CO1	To understand the concept of Management Accounting.
CO2	To understand the various Tools of Management Accounting.
CO3	To know the financial statement Analysis.
CO4	To learn the estimation of working capital requirements in
	organization.
CO5	To understand the factors influencing dividend policy.

S.Y. BBI (PAPER-III)

Subject - Organizational Behavior

SEM-III

CO1	To provide basic knowledge of key approaches and Models relating
	to Organizational Behavior.
CO2	To identify specific steps managers can take to motivate the
	employees.
CO3	To understands ways of acting effectively and finding ways for
	controlling human Behavior.
CO4	To apply different concepts relating to managing of conflicts,
	change, time and stress.
CO5	Application of the above in banking and insurance companies.



indla

PRINCIPAL St. Wilfred's College of Arts, Commerce & Science



(Affiliated to Mumbai University)

Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org S. Y. BBI (PAPER-IV)

Subject - Financial Market

SEM-III

CO1	Understand the concept of Money market
CO2	Know what a certificate of deposit is
CO3	Know the different types of financial instruments available in the
	money market
CO4	Understand the role and importance of the Indian financial market.
CO5	Apply and analyses the Concepts relevant to Indian financial
	markets and financial institutions.

S.Y. BBI (PAPER-V)

Subject - Information Technology in Banking & Insurance-I

SEM-III

CO1	Students were able to understand about usage of MS OFFICE
	package.
CO2	Understand about Banking terminology with respect to IT.
CO3	Understand the usage of Banking software.
CO4	To learn basic concepts of Information Technology, its support and
	role in Management, for managers.
CO5	Module II comprises of practical hands on training required for
	office automation.



indla

PRINCIPAL St. Wilfred's College of Arts, Commerce & Science



(Affiliated to Mumbai University)

Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org S.Y. BBI (PAPER-VI)

Subject - Taxation of Financial Services

SEM-III

CO1	To understand the concept of residential status of assessee
CO2	To understand the scope of income
CO3	To understand the calculation of income from all sources
CO4	To understand the calculation of total income
CO5	Knowledge and understanding of heads of income and deductions.

S.Y. BBI (PAPER-VII)

Subject - Laws Governing Banking & Insurance

SEM-III

CO1	To Understand banking industry
CO2	To Learn aspects and areas of banking like rural banking, retail
	banking and corporate banking and universal banking.
CO3	To Study contemporary developments like technological
	innovations, micro finance and financial inclusion.
CO4	Students gain knowledge of financial inclusion and highlight the
	different initiative by government for financial inclusion.
CO5	Students understand the concept of difference between retail
	banking and corporate banking.



indla

PRINCIPAL St. Wilfred's College of Arts, Commerce & Science



(Affiliated to Mumbai University)

Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org S.Y. BBI (PAPER-I)

Subject - Financial Management -II

SEM-IV

CO1	Demonstrate an understanding of the overall role and importance of the finance function.
CO2	Demonstrate basic finance management knowledge. Communicate
	effectively using standard business terminology.
CO3	Understanding Working capital management and its components.
CO4	Knowledge and understanding of financial planning, Study of
	strategic financial management.
CO5	Study of strategic financial management.

S.Y. BBI (PAPER-II)

Subject - Cost Accounting of Banking & Insurance

SEM-IV

CO1	The syllabus aims to test the student's ability to understand the
	Conceptual framework of Cost accounting.
CO2	To provide a detailed knowledge of Cost Accounting Principles. and
	cost classifications
CO3	To identify the reasons for difference in profit shown by different set
	of accounts.
CO4	To Understand Classification of cost components to facilitate
	managerial decision making such as Standard costing
CO5	To impart basic cost accounting knowledge as applicable to banking
	and insurance with suitable illustrations.



indla

PRINCIPAL St. Wilfred's College of Arts, Commerce & Science



(Affiliated to Mumbai University)

Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org S.Y. BBI (PAPER-III)

Subject - Entrepreneurship Management

SEM-IV

CO1	Knowledge and understanding entrepreneur and business planning.
CO2	Knowledge and understanding key areas of new venture.
CO3	To Understand the evolving concepts of entrepreneurship.
CO4	The students will gain deeper understanding as to how to be a successful entrepreneur since successful new business ventures and economic development do not just happen but are the result of planning, effort and innovation.
CO5	This module will encourage students to be innovative and creative and to be on a look-out for new business ideas and different ways to fund their start-ups.

S.Y. BBI (PAPER-IV)

Subject - Information Technology in Banking & Insurance-II

SEM-IV

CO1	To understand basic concepts of Email, Internet and websites,
	domains and security therein.
CO2	To recognize security aspects of IT in business, highlighting
	electronic transactions, advanced security features.
CO3	To understand e-business and techno management.
CO4	Application of IT in banking.
CO5	Knowledge of MS-Office packages for institutional automation.



alla

PRINCIPAL St. Wilfred's College of Arts, Commerce & Science



(Affiliated to Mumbai University)

Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org S.Y. BBI (PAPER-V)

Subject - Corporate Laws & laws Governing Capital Market

SEM-IV

CO1	Gives an understanding to the students about the company law.
CO2	To understand the securities law.
CO3	To understand about depositories act and the SEBI act.
CO4	Understanding and overview of Company law and Study the regulatory framework of SEBI and Securities contract regulation Act, 1956.
CO5	Study the regulatory framework of SEBI and Securities contract regulation Act, 1956.

S.Y. BBI (PAPER-VI)

Subject - Business Economics-II

SEM-IV

CO1	To understand the basic concepts of macro economics
CO2	To understand the basic concepts of business economics
CO3	To understand how these concepts can help the students become responsible individuals
CO4	The subject is covering the major aspects of macroeconomics and international theories.
CO5	It helps students to understand the basic topics like inflation, monetary policy, Balance of Payment and foreign investment.



indla

PRINCIPAL St. Wilfred's College of Arts, Commerce & Science



(Affiliated to Mumbai University)

Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org S.Y. BBI (PAPER-VII)

Subject – FUNDAMENTAL COURSE - IV

SEM-IV

CO1	To understand health insurance process and various insurance plan.
CO2	To understand home insurance and vehicle insurance.
CO3	To understand role of insurance in logistics.
CO4	To learn commercial banking and customer banking relationship.
CO5	To understand universal banking and technology in Banking sector.

T.Y. BBI (PAPER-I)

Subject – International Banking & Finance

SEM-V

CO1	To understand fundamentals of international finance
CO2	To understand in detail foreign exchange market
CO3	To understand financial risk management tools
CO4	To understand investment options available at international level
CO5	Foreign Exchange Management, Risk Management.



indla

PRINCIPAL St. Wilfred's College of Arts, Commerce & Science



(Affiliated to Mumbai University)

Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org T.Y. BBI (PAPER-II)

Subject – Project Work-I (Banking)

SEM-V

CO1	To understand research and its significance.
CO2	To understand the Data Collection and Processing.
CO3	To know the Data Analysis and Interpretation.
CO4	To understand how to use advanced statistical techniques.
CO5	To understand how to create research Report.

T.Y. BBI (PAPER-III)

Subject – Business Ethics & Corporate Governance

SEM-V

To highlight the role of Corporate Governance practices in
maintaining Transparency in business transactions.
To highlight the role of Corporate Governance practices in
maintaining Transparency in business transactions.
To highlight the importance of commitment to values and ethical
conduct of Business.
Formulate ethical philosophy to explain how it contributes to current
practice.
Critically apply understanding of ethics in real–world contexts.



indla

PRINCIPAL St. Wilfred's College of Arts, Commerce & Science



(Affiliated to Mumbai University)

Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org T.Y. BBI (PAPER-IV)

Subject – Auditing-I

SEM-V

CO1	The syllabus aims to develop an understanding on the concept of
	Auditing and its principles, Audit planning,
CO2	The understand, Principles of audit, Types of audit, Errors and
	Frauds
CO3	To understand auditors & management responsibilities & objectives
	with respect to Vouching and Verification
CO4	The subject also gives in depth knowledge of Auditing techniques
	under in audit procedure.
CO5	Students understand various concepts like audit program, audit
	notebook and other allied concepts.

T.Y. BBI (PAPER-V)

Subject - Strategic Management

SEM-V

CO1	To develop an understanding of the general and competitive
	business environments.
CO2	To enable to understand and resolve cases through strategic decision
	making.
CO3	Strategic management is a broad term that includes innovative
	thinking, a strategic planning process and operational strategizing.
CO4	Strategic business management, more specifically, relies largely on
	research. It is imperative that for a business strategy to be
	successful, customers' opinions, employees' contribution and the
	industry's best practices are all taken into account.
CO5	Annual plans for businesses are often put together, but within the
	21st century it is important to be flexible and adapt to changing de
	environments and demands. PRINCIPAL
	St. Wilfred's College Arts, Commerce & Scie
	Arts, commerce à Scie



(Affiliated to Mumbai University)

Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org T.Y. BBI (PAPER-VI)

Subject - Financial Services Management

SEM-V

CO1	To understand thoroughly various financial services provided by
	financial institutions.
CO2	To understand terms and concepts related to world of finance.
CO3	To make students familiar with financial risk management tools.
CO4	To give knowledge of current investment options.
CO5	To make students financially literate.

T.Y. BBI (PAPER-I)

Subject - Security Analysis and Portfolio Management

SEM-VI

CO1	To understand the concept of portfolio management
CO2	To understand functions of portfolio management
CO3	To understand the fundamentals analysis of share market
CO4	To get knowledge of technical analysis
CO5	To understand methods of fundamental analysis & technical analysis



indla

PRINCIPAL St. Wilfred's College of Arts, Commerce & Science



(Affiliated to Mumbai University)

Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org T.Y. BBI (PAPER-II)

Subject – Auditing-II

SEM-VI

CO1	The subject gives detailed knowledge and helps the students to
	understand the legal provisions related to Audit.
CO2	To understand the legal provisions of Audit of Banking companies
CO3	To understand the legal provisions of Audit of Insurance companies
CO4	To understand the professional ethics with reference to Auditing
CO5	Students acquire the knowledge of new areas and trends in auditing.

T.Y. BBI (PAPER-III)

Subject – International Business

SEM-VI

CO1	To understand the concept of International business environment.
CO2	To understand international integration
CO3	To know international marketing & HRM strategies
CO4	To understand the thoroughly import & export procedures
CO5	Elaborate International Marketing and International Human
	Resource Management.



indla

PRINCIPAL St. Wilfred's College of Arts, Commerce & Science



(Affiliated to Mumbai University)

Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org T.Y. BBI (PAPER-IV)

Subject - Marketing in Banking & Insurance

SEM-VI

CO1	To develop concepts in marketing.
CO2	To explain the scope of marketing management analyzing
	opportunities, selecting target segments, developing the market mix,
	managing the marketing effort.
CO3	Identify the core concepts of marketing and understand the need of
	the customer.
CO4	Apply the company orientation towards the market place and also
	evaluate the market.
CO5	Analyze the consumer behavior and can recognize the different steps
	in buying decision process.

T.Y. BBI (PAPER-V)

Subject – Central Banking

SEM-VI

CO1	To understand the basic banking concepts.
CO2	To understand the banking reforms, rules and regulations, banking principles.
CO3	To understand banking structure in other countries as well as India
CO4	To know the future of banking in India
CO5	Students understand the need for central bank in the cyber world.



indla

PRINCIPAL St. Wilfred's College of Arts, Commerce & Science



(Affiliated to Mumbai University)

Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org T.Y. BBI (PAPER-VI)

Subject – Project Work-II (Insurance)

SEM-VI

CO1	To equip project Students with the critical skills and knowledge required to effectively manage resource.
CO2	To equip project students to understand taxation.
CO3	To inculcate the element of research analysis and scientific
	temperament among learners.
CO4	To Create awareness among learners regarding methodology of
	formulation and preparation of the project work.
CO5	Apply the advanced statistical techniques

F.Y. BAF (PAPER-I)

Subject – Financial Accounting (Elements of Financial Accounting) - I

SEM-I

CO1	To understand the basic concept of bookkeeping, journal and ledger.
CO2	To understand the Accounting Standards and IFRS.
CO3	To understand the concept of Expenditure and Receipts.
CO4	To understand the preparation of Final Accounts
CO5	To understand various accounting standards issued by ICAI,
	Preparation of Final accounts, preparation of departmental accounts
	and accounting for hire purchase.



indla

PRINCIPAL St. Wilfred's College of Arts, Commerce & Science



(Affiliated to Mumbai University)

Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org

F.Y. BAF (PAPER-II)

Subject – Cost Accounting (Introduction and Element of cost) - I

SEM-I

CO1	The syllabus aims to test the student's ability to understand the Conceptual framework of Cost accounting.
CO2	To provide an detailed knowledge of Cost Accounting Principles.
CO3	To understand Classification of cost components to facilitate managerial decision making.
CO4	To understand and analyses the situation and take decisions related to Purchase of Raw material, Engaging Labor and Managing Overheads.
CO5	To familiarize students with the concepts and practicability of material costing, labor costing etc.

F.Y. BAF (PAPER-III)

Subject – Financial Management (Introduction to Financial Management) - I

SEM-I

CO1	To understand the concept of Financial Management.
CO2	To understand objectives of Financial Management.
CO3	To understand the different types of Leverages.
CO4	To understand short and long term sources of Finance.
CO5	To understand how to take capital investment decision.



Arialla

PRINCIPAL St. Wilfred's College of Arts, Commerce & Science



(Affiliated to Mumbai University)

Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org F.Y. BAF (PAPER-IV)

Subject - Business Communication - I

SEM-I

CO1	The different modes and methods of communication helps the students to refresh their knowledge.
CO2	The business ethics and the different social problems which surface
	out in the society are given, hands
CO3	To develop the communication skills like writing, listening, reading
	& speaking considering the industrial requirements.
CO4	Understanding the objectives of communication, learning various
	types of business correspondence.
CO5	Draft effective job letters like cover letter, job acceptance letter and
	resignation letter.

F.Y. BAF (PAPER-V)

Subject – Foundation Course - I

SEM-I

CO1	To make students aware about the diversified Indian Society, inculcate knowledge of the Constitution of India, understanding political process in India.
CO2	Learning the fundamental duties and rights provided by the
	Constitution.
CO3	Society through its demographic composition, population
	distribution according to religion, caste and gender.
CO4	Identify inequalities faced by people with physical and mental
	disabilities.
CO5	Examine inequalities due to Caste system and inter group conflicts.



PRINCIPAL St. Wilfred's College of Arts, Commerce & Science

indla



(Affiliated to Mumbai University)

Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org F.Y. BAF (PAPER-VI)

Subject - Commerce (Business Environment) - I

SEM-I

CO1	To understand of business environment
CO2	To introduce concept of ethics in business management
CO3	To understand consumerism in India
CO4	To understand foreign trade of business environment
CO5	To understand business and its environment, responsibility of
	businessmen towards society, understanding contemporary issues,
	international environment.

F.Y. BAF (PAPER-VII)

Subject – Business Economics - I

SEM-I

CO1	To understand the role of business economics in organisations
CO2	To understand the role and challenges of micro economics
CO3	To imply basic economic principles and practices in professional environment
CO4	To enable the students to understand concepts with regards to demand, supply and pricing from the point of view of the businesses.
CO5	Understanding various types competitions in the market.



indla

PRINCIPAL St. Wilfred's College of Arts, Commerce & Science



(Affiliated to Mumbai University)

Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org F.Y. BAF (PAPER-I)

Subject – Foundation Course - II

SEM-II

CO1	The programmer provides the student with the capacity to identify
	issues and problems.
CO2	To understand the concept of relating to the realization of Indian
	society.
CO3	Understanding to Indian constitution and important constitutional
	rights, Environment.
CO4	Understanding environment and its causes of degradation,
	promoting sustainable development, promoting socialization,
	reducing stress and conflicts in the society.
CO5	To make students knowledgeable with the Human Rights,
	understanding concepts of Liberalization, Privatization and
	Globalization and its impact on employment

F.Y. BAF (PAPER-II)

Subject – Financial Accounting (Special Accounting Areas) - II

SEM-II

CO1	To understand to convert the single entry system in complete final
	account
CO2	To understand the concept of consignment account
CO3	To understand the concept of maintaining the Branch account
CO4	To understand the calculation of fire insurance claim
CO5	To understand the practicability of accounting from incomplete
	records, consignment accounts, branch accounts and Fire insurance
	claims.



inalla

PRINCIPAL St. Wilfred's College of Arts, Commerce & Science



(Affiliated to Mumbai University)

Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org F.Y. BAF (PAPER-III)

Subject - Auditing (Introduction and Planning) - I

SEM-II

CO1	To understand concepts of Window-dressing, Secret reserves.
CO2	To know different types of errors and frauds.
CO3	To learn audit planning, procedures and documentation.
CO4	To understand the concepts of internal check internal audit and
	internal control.
CO5	To Know sampling methods and procedures.

F.Y. BAF (PAPER-IV)

Subject - Business Communication - II

SEM-II

CO1	Helps students to prepare for the presentation skills.
CO2	The stage fear is reduced and they become fluent in English.
CO3	Communication even though they are from vernacular medium.
CO4	The formal letter writing skills are improved.
CO5	Group discussion as a practical experience helps the students.



indla

PRINCIPAL St. Wilfred's College of Arts, Commerce & Science



(Affiliated to Mumbai University)

Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org F.Y. BAF (PAPER-V)

Subject – Business Law (Business Regulatory Framework) - I

SEM-II

CO1	To understand the different business related laws.
CO2	To understand the application of the acts thereto.
CO3	To understand the concepts and basics of the negotiable instruments
	in banking and finance.
CO4	To be helpful in understanding the consumer rights.
CO5	To make students understand the legal framework with regards to
	the Law of Contract 1872, Sale of Goods Act 1930, Negotiable
	Instrument Act 1881, Consumer Protection Act 1986.

F.Y. BAF (PAPER-VI)

Subject - Innovative Finance Service

SEM-II

CO1	To understand credit rating system in economy.
CO2	To give a comprehensive overview of emerging financial services in
	the light of globalization.
CO3	To familiarize the learners with the fundamental aspects of various
	issues associated with various.
CO4	To introduce the basic concepts, functions, process, techniques and
	create an awareness of the role.
CO5	To acquaint students with the knowledge of Traditional Financial
	services, issue management, securitization, financial services & its
	mechanism, consumer finance and credit rating.



alla

PRINCIPAL St. Wilfred's College of Arts, Commerce & Science



(Affiliated to Mumbai University)

Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org F.Y. BAF (PAPER-VII)

Subject – Business Mathematics

SEM-II

CO1	Apply graphs, equations, ratio and proportion, percentage, and measurement systems to solve typical.
CO2	To understand the basic concepts, functions and methods of mathematical techniques.
CO3	To understand mathematical definition and use them correctly.
CO4	Demonstrate an understanding of the common body of knowledge in mathematics.
CO5	Use mathematical ideas to model real world problems.

S.Y. BAF (PAPER-I)

Subject - Financial Accounting (Special Accounting Areas) - III

SEM-III

CO1	To understand the scope and effect of admission, retirement and death of partner on partnership firm.
CO2	To understand the preparation of final account of partnership firm.
CO3	To understand the procedure of amalgamation of two partnership firms.
CO4	To understand the conversion of partnership firm into limited company.
CO5	To provide the knowledge to the students with regards to Partnership Final Accounts, Amalgamation of firms, Conversion of partnership firm into a company.



indle

PRINCIPAL St. Wilfred's College of Arts, Commerce & Science



(Affiliated to Mumbai University)

Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org S.Y. BAF (PAPER-II)

Subject - Cost Accounting (Methods of Costing) - II

SEM-III

CO1	To understand the concept of Costs .
CO2	To understand the preparation of Cost Sheet.
CO3	To learn contract costing.
CO4	To learn process costing.
CO5	This contains basics of cost accounting like cost sheet, reconciliation of cost sheet with financial accounts, contract costing and process costing.

S.Y. BAF (PAPER-III)

Subject – Taxation - II (Indirect Taxes Paper- II)

SEM-III

CO1	Creates an understanding of the basic concept of Direct Tax and basic definition related to Direct Tax and assesse.
CO2	Provides learners an idea of the process and techniques of calculation of taxability and tax liability.
CO3	Read and understand the computation of total income and define tax complicacies and structure, differentiate between direct and indirect tax assessment.
CO4	Apply the skills gained in computing the tax liability of an individual.
CO5	Determine the residential status of an Individual, Company and HUF.



indla

PRINCIPAL St. Wilfred's College of Arts, Commerce & Science



(Affiliated to Mumbai University)

Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org S.Y. BAF (PAPER-IV)

Subject – Information Technology in Accountancy - I

SEM-III

CO1	Understand model, components of computer and how it works.
CO2	Understand the concept of input and output devices of Computers in detail.
CO3	Understand RAM, ROM and their types in detail.
CO4	Recognize when to use each of the Microsoft Office programs to create professional and academic.
CO5	Understand Search Engines & Ranking Concepts.

S.Y. BAF (PAPER-V)

Subject - Commerce (Financial Market Operations) - II

SEM-III

CO1	Understanding financial markets knowledge of financial
	instruments.
CO2	Understanding different financial services.
CO3	To enable the students to obtain the knowledge and skills required
	in the field of management.
CO4	To enable students to understand the concept of HRM.
CO5	The objective is to familiarize students with required concepts of
	financial markets, financial instruments and financial services.



indla

PRINCIPAL St. Wilfred's College of Arts, Commerce & Science



(Affiliated to Mumbai University)

Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org S.Y. BAF (PAPER-VI)

Subject - Business Law (Business Regulatory Framework) - II

SEM-III

CO1	To Understand the Partnership act,
CO2	To understand LLP act
CO3	and also to understand the factories act (to some selected sec only)
CO4	To understand the basic concepts and application thereto
CO5	To make students understand the legal framework with regards to
	the Indian Partnership Act 1932, Limited Liability Partnership 2008
	& Factories Act 1948.

S.Y. BAF (PAPER-VII)

Subject – Business Economics - II

SEM-III

CO1	To understand the role and working of business economics.
CO2	To apply the economic rules and principles in day to day daily life.
CO3	To apply economic policies in professional environment.
CO4	Student should be understand concepts like macroeconomics, prices and inflation, public revenue and expenditure.
CO5	Student should understand the knowledge about fiscal and financial
	administration.



indla

PRINCIPAL St. Wilfred's College of Arts, Commerce & Science



(Affiliated to Mumbai University)

Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org S.Y. BAF (PAPER-I)

Subject – Financial Accounting (Special Accounting Areas) - IV

SEM-IV

CO1	To understand how to prepare the statutory final account as per revised pattern of companies act.
CO2	To understand treatment of expenses and income if incorporation
	take place during the year.
CO3	To understand the maintenance of final account of foreign branch.
CO4	To understand redemption procedure of preference shares and
	debentures.
CO5	This subject cover preparation of final accounts of companies,
	redemption of preference shares, redemption of debentures and
	foreign branch.

S.Y. BAF (PAPER-II)

Subject - Management Accounting (Introduction to Management Accounting) - I

SEM-IV

CO1	To gain in depth knowledge of the professional standards, principles and procedures regarding.
CO2	That will help in detailed analysis and interpretation of financial
	statements.
CO3	And to take decision on managing long term and short term funds.
CO4	To understand the health of the organization with reference to
	liquidity, activity, leverage, profitability.
CO5	To carry out necessary adjustment in funds from operation to arrive
	at the figure of cash.



de

PRINCIPAL St. Wilfred's College of Arts, Commerce & Science



(Affiliated to Mumbai University)

Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org S.Y. BAF (PAPER-III)

Subject – Taxation - III (Indirect Taxes- III)

SEM-IV

CO1	Compute Tax Liability of Firm.
CO2	Compute the tax liability of an individual.
CO3	Compute Advance Tax and Interest on Advance Tax.
CO4	Understand DTAA Provisions and Compute Tax liability.
CO5	Understand and compute TDS.

S.Y. BAF (PAPER-IV)

Subject - Information Technology in Accountancy - II

SEM-IV

CO1	Students were able to understand.
CO2	Business Process, flow of business process, principles.
CO3	Through understanding about the computerized accounting system,
	usage of Tally software understand.
CO4	Understand IT in Auditing.
CO5	To promote computerized accounting system, preparation of MIS
	reports, implementation of IT in Audit.



indla

PRINCIPAL St. Wilfred's College of Arts, Commerce & Science



(Affiliated to Mumbai University)

Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org S.Y. BAF (PAPER-V)

Subject - Management (Introduction to Management) - I

SEM-IV

CO1	To come up with creativity & indicium in sharing vision.
CO2	It helps in tacking with improved & new technology in future.
CO3	Helps to understand how to plan systematically.
CO4	Helps to learn importance of decision making.
CO5	Helps to understand difference between administration &
	management.

S.Y. BAF (PAPER-VI)

Subject - Business Law (Company Law) - III

SEM-IV

CO1	Understand the company law extensively useful for their further studies .
CO2	To make students understand the legal framework with regards to the incorporation of companies, public offer, private placement, share capital and debentures.
CO3	Useful to know the different amendments there to helpful in strengthening the corporate governance.
CO4	To understand the difference between the companies act 1956 and 2013.
CO5	To get detailed information about the management and administration of the company affairs.



dla

PRINCIPAL St. Wilfred's College of Arts, Commerce & Science



(Affiliated to Mumbai University)

Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org S.Y. BAF (PAPER-VII)

Subject – Research Methodology in Accounting and Finance

SEM-IV

CO1	To understand the concept of Research and types.
CO2	To Learn the formulation of Hypothesis.
CO3	To understand the concept of data collection and processing.
CO4	To understand the use of computer and internet in Data Collection
	and processing.
CO5	To learn the layout of Research Report .

T.Y. BAF (PAPER-I)

Subject - Financial Analysis and Business Valuation

SEM-V

L	
CO1	Develop proficiency in valuation.
CO2	Develop capabilities to offer advisory/consultancy services in the
	area of valuation.
CO3	Understand the importance and relevance of Annual Report of a
	Company.
CO4	Understand the various methods of Equity and Firm valuations both
	in certain and risky conditions.
CO5	Students are able to understand the practical application of different
	valuation model in valuing equity and firm through modelling of
	these methods using excel.



indla

PRINCIPAL St. Wilfred's College of Arts, Commerce & Science



(Affiliated to Mumbai University)

Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org T.Y. BAF (PAPER-II)

Subject - Financial Management - II

SEM-V

CO1	To plan, organize, direct & control financial activities.
CO2	To understand the theories of capital structure, dividend decisions,
	etc.
CO3	To learn the concepts of bond valuation and mutual funds
CO4	To understand credit management policies of the companies
CO5	It will enable students to understand certain managerial skills with
	regards to marketing management, production management, human
	resource management, financial management.

T.Y. BAF (PAPER-III)

Subject – Cost Accounting - III

SEM-V

CO1	To understand the distinguish between integrated and non-integrated or interlocked cost book keeping.
CO2	To understand uniform costing and inter-firm comparison .
CO3	To understand the calculation of Operating costing of transport,
	hotel & hospitality industries.
CO4	To understand the concept of calculation of process costing.
CO5	To understand the allocation of cost on the base of various
	activities.



indla

PRINCIPAL St. Wilfred's College of Arts, Commerce & Science



(Affiliated to Mumbai University)

Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org T.Y. BAF (PAPER-IV)

Subject – Financial Accounting - V

SEM-V

CO1	To covers all relevant level of knowledge expected for undergraduate students and at the same time.
CO2	To Cover the fundamental theory, practical problems and examination based questions/answers.
CO3	To Cover/provide ample opportunity for the students to practice.
CO4	It provides an assessment of management concerning the costing outcomes .
CO5	This covers on going practical concepts with regards to company like underwriting of shares & debentures, buy-back of shares, amalgamation, absorption, internal & external reconstruction and Liquidation of companies.

T.Y. BAF (PAPER-V)

Subject – Financial Accounting - VI

SEM-V

CO1	To understand the methods of valuation of goodwill and shares.
CO2	To understand the statutory format of final account of banking
	company.
CO3	To understand the statutory format of final account of Insurance
	company.
CO4	To understand the statutory format of final account of Non-Banking
	company.
CO5	To understand the statutory format of final account of Limited
	Liabilities partnership firm.



indla

PRINCIPAL St. Wilfred's College of Arts, Commerce & Science



(Affiliated to Mumbai University)

Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org T.Y. BAF (PAPER-VI)

Subject – Taxation - IV (Indirect Taxes - II)

SEM-V

CO1	To make the students understand the basic concepts, definitions and terms related to Goods and Service.
CO2	To make students understand the concept of forward charge mechanism, reverse charge mechanism.
CO3	To make the students understand the concept of Supply along with the rules related to time, place .
CO4	This covers the system of GST, its documentation, how to calculate GST, collection process of GST, registration of GST.
CO5	Explores the process of Registration, place and value of supply and computation of tax liability.

T.Y. BAF (PAPER-I)

Subject - Security Analysis and Portfolio Management

SEM-VI

CO1	Identify the investment opportunities and the nature of investment
	decisions.
CO2	Interpret the investment environment and assess the procedural
	issues of the security markets.
CO3	To make investment decision and at providing a comprehensive
	introduction to the areas of security analysis and portfolio
	management.
CO4	To enable a comprehensive and continuing illustration of the
	application of the techniques of the course with the help of
	analytical tools.
CO5	To dwells on the investment avenues, and operations of the Indian
	stock market and the role of various financial institutions in aiding
	the capital (grmation) PRINCIPAL
	St. Wilfred's College of Arts, Commerce & Scier
	Aris, Commerce & Scien



(Affiliated to Mumbai University)

Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org T.Y. BAF (PAPER-II)

Subject - Cost Accounting - IV

SEM-VI

CO1	To help in learning calculation of product cost & also profit.
CO2	To demonstrate how materials, labor & overhead cost are added to
	product.
CO3	To know cost of product at each process.
CO4	To know profit contract in a particular years.
CO5	To know difference in cost accounting & financial accounting.

T.Y. BAF (PAPER-III)

Subject – Financial Management - III

SEM-VI

CO1	To objective is to familiarize the students with the topics like
	mergers & acquisition, business valuation, corporate restructuring,
	takeovers, hire purchase & lease financing etc.
CO2	Student will understand the topics like mergers & acquisition,
	business valuation, corporate restructuring, takeovers, hire purchase
	& lease financing etc.
CO3	They will be able to demonstrate the same in calculating the Value
	of a company's share through various methods like Earnings based,
	Cash Flow basis etc.
CO4	The learners will read and understand the importance of various
	corporate restructuring strategies like Mergers, Acquisitions etc. and
	the difference between them. They will also understand certain short
	term financing mediums of companies such as Factoring, Hire
	Purchase, Leasing etc.
CO5	To manage liquidity and holding optimal level of liquid assets.
	Helps acquire analytical attitude while solving financial issues.
	PRINCIPAL St Wilfrod's College

St. Wilfred's College of Arts, Commerce & Science

Where the mind is without fear! where the head is held high!

100 50 100 5 R



(Affiliated to Mumbai University)

Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org T.Y. BAF (PAPER-III)

Subject - Financial Management - III

SEM-VI

CO1	To objective is to familiarize the students with the topics like
	mergers & acquisition, business valuation, corporate restructuring,
	takeovers, hire purchase & lease financing etc.
CO2	Student will understand the topics like mergers & acquisition,
	business valuation, corporate restructuring, takeovers, hire purchase
	& lease financing etc.
CO3	They will be able to demonstrate the same in calculating the Value
	of a company's share through various methods like Earnings based,
	Cash Flow basis etc.
CO4	Financial management helps in dividend policies and its impact on
	shareholders.
CO5	To manage liquidity and holding optimal level of liquid assets.
	Helps acquire analytical attitude while solving financial issues.

T.Y. BAF (PAPER-IV)

Subject – Financial Accounting - VII

SEM-VI

CO1	To understand the statutory format of final account of co. op society.
CO2	To understand the statutory format of final account of electricity company.
CO3	To understand the mutual fund investment policy.
CO4	To understand the calculation of investment income.
CO5	It will enable students to understand finalization of accounts of Banking Company, Insurance Company, Non-Banking Financial Company, Valuation of goodwill and also shares the new concept accounting for limited liability partnership.
	St. Wilfred's College of Arts, Commerce & Science



(Affiliated to Mumbai University)

Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org T.Y. BAF (PAPER-V)

Subject - Project Work-II

SEM-VI

CO1	To equip project Students with the critical skills and knowledge required to effectively manage resource.
CO2	To give knowledge to students they should learn accounting concepts.
CO3	To equip project students to understand taxation.
CO4	To acquaint students with research-based project work by implementing Research Methodology.
CO5	Students will understand project work by Research Methodology.

T.Y. BAF (PAPER-VI)

Subject - Taxation - V (Indirect Taxes- III)

SEM-VI

CO1	To provide an study knowledge on various provisions of Indirect taxation laws and their impact on.
CO2	To understand the principles underlying the Indirect taxation statues (with reference to Goods .
CO3	To compute the assessable value of transactions related to goods and services for levy and determination.
CO4	To identify and analyses the procedural aspects under different applicable statues related of Indirect.
CO5	To study filing of returns, payment of taxes, refunds & accounts, audits and assessment as well. This will also make students understand foreign trade policy.



indle

PRINCIPAL St. Wilfred's College of Arts, Commerce & Science

Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org

Foundation Course I F.Y.B.A. SEMESTER I

CO1	In this paper students will learn the social issues pertaining to India.
CO2	This paper will help to make students aware socially and their personality
CO3	Learner will learn the importance of the Indian Constitution and basic Human rights
CO4	Students will able to learn the political process at local level.
CO5	Students will take the initiative to participate directly in the protection of the environment.

Foundation Course II F.Y.B.A. SEMESTER II

CO1	Learner will able to understand the concept of Liberalization, Privatization, Globalization.
CO2	Students will also learn the evolution of Human Rights and
	Fundamental Rights.
CO3	Ecological and Environmental concepts are also discussed in the
	course.
CO4	The Topics also covered managing Stress, Conflicts and
	Contemporary society Challenges.
CO5	Students would relate and discuss the various factors contributing to
	stress and conflicts in individuals and the society.



findla

PRINCIPAL St. Wilfred's College of Arts, Commerce & Science



Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org

Foundation Course II F.Y.B.A. SEMESTER III

CO1	Understanding the constitutional rights/legal rights of the vulnerable people.
CO2	Students will able to understand the different types of disaster and their mitigation, efforts of the government in that respect.
CO3	To acquaint students with history of science and technology.
CO4	Learner will also understand the communication skills required for in an organization.
CO5	Students will ready to take a stand on community issues.

Foundation Course II F.Y.B.A. SEMESTER IV

CO1	To understand the Contemporary Rights of Citizens.
CO2	Paper covered the different approaches to understand Ecology
CO3	Understand the modern technologies and features and applications of technology.
CO4	Learner will understand the soft skills required for competitive Exam
CO5	As students become aware of the issues of the society, they develop a conscious citizenship.



findla

PRINCIPAL St. Wilfred's College of Arts, Commerce & Science



Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org

PG COURSE OUTCOMES

M.A ENGLISH (PAPER-I)

•

(English Poetry from Chaucer to the Present)

Sem-I •

CO1	To understand the chronological order of poets and understand the
	development of English poetry.
CO2	Engage in close analysis of narrative and poetic language which
	helps in applying technical analytical terms.
CO3	Understanding the literary devices which enhance the beauty of the
	poem.
CO4	Appreciate a poem aesthetically.
CO5	Exploration of Chaucer's literary portrayal of Middle English society
	and its people.

Mapping of PO, PSO&CO

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2
	1		3	1		2		1	1	2
CO1										
		2		2			1		2	
CO2										
	3		2	2		3		2		3
CO3										
	1	3			2		1		2	
CO4										
	2		2		3	1		3		1
CO5										



friedla

PRINCIPAL St. Wilfred's College of Arts, Commerce & Science



Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org

M.A ENGLISH (PAPER-II)

English Non-Fictional Prose from Bacon to the Present •

> Sem-I •

CO1	It introduces drama as a literary genre as well as dramatic genre with
	due emphasis on Shakespearean Age.
CO2	To get an understanding of Elizabethan theatre, stage and settings
	and Elizabethan audience.
CO3	To understand the Elizabethan drama and Jacobean drama with
	respect to plot, character, dialogue, theme, and dramatic technique.
CO4	To learn about the historical, socio-political and literary features of
	the time.
CO5	Difference between Comedy and Tragedy & Aristotle's contribution
	in the genre of tragedy.

Mapping of PO, PSO&CO

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2
		3	2		3	2			1	2
CO1										
				2			1		2	
CO2										
	1					2		3	2	
CO3										
		1	2	2	1		2			3
CO4										
	3		3		3	1		3		1
CO5										



friedla

PRINCIPAL St. Wilfred's College of Arts, Commerce & Science



Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org

M.A ENGLISH (PAPER-III)

Literary Criticism •

Sem-I •

CO1	Students will learn about William Wordsworth's theory of Romantic
	Poetry.
CO2	Understanding the constructive role of criticism in Victorian Era
	defined by Matthew Arnold.
CO3	Knowledge of the Impersonal theory of producing literature by
	Eliot; its influence on New Criticism.
CO4	Understanding the theories of literature of Indian Antiquity and
	Indian aesthetic Traditions.
CO5	Developing an understanding of the philosophical and intellectual
	movement of Kant and learning what Enlightenment and freedom is
	all about.

Mapping of PO, PSO&CO

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2
	2		1		3				2	
CO1										
		2		1		2	2	2		1
CO2										
	1		2		2				3	
CO3										
		1		2		1		1	1	2
CO4										
	3		1	3	1		Ι			3
CO5		2								



frizalla

PRINCIPAL St. Wilfred's College of Arts, Commerce & Science



Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org

M.A ENGLISH (PAPER-IV)

•

Language: Basic Concepts and Theories •

Sem-I •

CO1	To acquaint students with the basic concepts and issues in linguistics
	and various sub disciplines of linguistics.
CO2	To enhance the knowledge of learners syntactic features of the
	English language.
CO3	To help them shake off some of the regional features of English
	pronunciation.
CO4	To introduce them to the basics of phonology of English so that they
	can pronounce better and speak English correctly.
CO5	To revise and reinforce the learning of some important areas of
	grammar for better linguistic competence.

Mapping of PO, PSO&CO

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2
		2	1	3	2			1	3	
CO1										
	1		2	2	1	2	1	2		1
CO2										
		2		2		2	2		2	
CO3										
	2		1		2		3	2		2
CO4										
	3	2		3		3			1	
CO5										



friedla

PRINCIPAL St. Wilfred's College of Arts, Commerce & Science



Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org

M.A ENGLISH (PAPER-I)

English Drama from Shakespeare to the Present •

• Sem-II

CO1	Learning core themes of Shakespearean Tragedy. They would be able to make comparison between Elizabethan and Shakespearean tragedy.
CO2	Contribution of Christopher Marlowe & University Wits. Students can make comparison of Elizabethan Revenge tragedy and Marlow's style of tragedy.
CO3	Students will understand the genre of Jacobean Revenge tragedy and its various thematic concerns.
CO4	It explains magical features of play; creates students' interest towards literature; its digital representation would cultivate interest for literary movies.
CO5	Students will learn about tragic events and life of Hamlet. Further it creates awareness about the features of tragedy and its representation through media.

Mapping of PO, PSO&CO

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2
	1		1		2		1		3	
CO1										
		3	2	1		2		2		2
CO2										
	1				2	3	2		2	
CO3										
	2	2	2	3	1			1		2
CO4										
	3			2	2	1	3	2	2	
CO5										Frizal
Engire & Science										

PRINCIPAL St. Wilfred's College of Arts, Commerce & Science



Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org

M.A ENGLISH (PAPER-II)

English Fiction from Defoe to the Present •

> Sem-II •

CO1	Comprehend the origin and development of drama from the
	Jacobean to Modern Age.
CO2	To make a critical appraisal of the traditional and modern drama.
CO3	To appreciate the 'Closet Drama' which is fit to be read ,with its
	dialogues, characters, and satire on manners and morality.
CO4	Acquire knowledge of dominant movements and trends of modern
	drama.
CO5	To appreciate the timeless beauty and appeal of modern drama with
	their new thematic and stylistic elements.

Mapping of PO, PSO&CO

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2
	1		1		3		1			3
CO1										
	2	2	2		1	2		2	3	2
CO2										
	1	2		2		3	2		1	1
CO3										
	2	1	2	1	2			1		1
CO4										
			1	2	1	1	3	2	2	3
CO5										



friedla

PRINCIPAL St. Wilfred's College of Arts, Commerce & Science

Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org

M.A ENGLISH (PAPER-III)

Literary Theory: Post World War II

Sem-II •

CO1	To understand the critical traditions of English literature.
CO2	To appreciate these texts as a source of great wisdom.
CO3	To interpret these texts from contemporary points of view.
CO4	To trace the developmental history of English Literature from Old
	English Period to 19th century.
CO5	To examine various literary techniques that writers of 20th century
	use in writing their texts, and demonstrate an understanding of these
	techniques.

Mapping of PO, PSO&CO

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2
		3			2	1		2		3
CO1										
	1		2	3	1		3		2	
CO2										
		2		1		2		1	1	1
CO3										
	2		2		2		2		2	2
CO4										
	2	1		2		2		3		1
CO5										



friedla

PRINCIPAL St. Wilfred's College of Arts, Commerce & Science



Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org

- M.A ENGLISH (PAPER-IV)
- English in Use and Usage
 - Sem-II •

CO1	Students can read and understand any text in English listening to the
	inputs given by the teacher in the classroom.
CO2	Students imbibe the rules of language unconsciously and tune to
	deduce language structure and usage.
CO3	Ability to be comfortable with English in use while reading or
	listening.
CO4	Ability to use English correctly in speaking and writing skills.
CO5	Students imbibe the rules of language unconsciously and tune to
	deduce language structure and usage.

Mapping of PO, PSO&CO

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2
		1		1		2		1	2	
CO1										
	2		2		2		3		2	3
CO2										
		3		2		1		2	1	1
CO3										
	2		3		3	2	2		2	2
CO4										
	1	2		1			1			1
CO5										



friedla

PRINCIPAL St. Wilfred's College of Arts, Commerce & Science



Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org

M.A ENGLISH (PAPER-I)

• Indian Literature in English Translation

• Sem-III

CO1	
CO2	
CO3	
CO4	
CO5	



findla

PRINCIPAL St. Wilfred's College of Arts, Commerce & Science



(Affiliated to Mumbai University)

Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org

Programme Outcomes (POs) of B.A

 PO 1 Critical Thinking: Ability to analyse knowledge. Capability to evaluate the conclusion. PO2 Effective Communication: Proficient 	e validity of arguments and
conclusion.	
PO2 Effective Communication Proficien	
	cy in speaking, reading, writing
and listening in English and one India	in language and find meaning of
the world by connecting people, ideas	s, books, media and technology.
PO3 Social Interaction: Link with society	and intercede the disagreement
and help to reach conclusion in group	sitting. Demonstrate intellectual
awareness and competencies. Reflect	on one's cultural identities and
values.	
PO4 Effective Citizenship: Promote ac	tive citizenship and community
engagement. Ability to understand th	e national development, informed
awareness of issues and participate in	civic life
PO5 Ethics : Understand and recognized v	alue system, moral dimensions
and self-responsibility for nation and	society. Demonstrate personal and
intellectual integrity and academic ac	countability. Collaborate
respectfully with others, individually	and in teams.
PO6 Environment and Sustainability: U	nderstand the issues and
perspectives of environment context a	and sustainable development
PO7 Self-directed and lifelong learning:	Acquire the ability to engage in
independent and lifelong learning in b	broad context of socio-
technological changes.	
PO8 Individual and team work: Function	n effectively as an individual and
as a member or leader of diverse team	ns and in multi-disciplinary
settings.	



findla

PRINCIPAL St. Wilfred's College of Arts, Commerce & Science

(Affiliated to Mumbai University)

Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org

ProgramSpecificOutcomes(PSOs)

PSO1	To familiarize with the writers of English literature across different ages
	and continents, their theories, perspectives, models and methods.
PSO2	To develop the technical skills and ethical decisions appropriate for the
	holistic professional development in the field.



findla

PRINCIPAL St. Wilfred's College of Arts, Commerce & Science

Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org

Programme Outcomes (POs) M.SC CHEMISTRY

Programme Outcomes (POs) M.SC CHEMISTRY

PO 1	Communication skills: Chemistry graduates are expected to possess
	minimum standards of communication skills expected of a science
	graduate in the country. They are expected to read and understand
	documents with in-depth analyses and logical arguments. Graduates are
	expected to be well-versed in speaking and communicating their
	idea/finding/concepts to wider audience.
PO2	Critical thinking: Chemistry graduates are expected to know basics of
	cognitive biases, mental models, logical fallacies, scientific
	methodology and constructing cogent scientific arguments.
PO3	Psychological skills: Graduates are expected to possess basic
	psychological skills required to face the world at large, as well as the
	skills to deal with individuals and students of various sociocultural,
	economic and educational levels. Psychological skills may include
	feedback loops, self-compassion, self-reflection, goal-setting,
	interpersonal relationships, and emotional management.
PO4	Problem-solving: Graduates are expected to be equipped with problem-
	solving philosophical approaches that are pertinent across the disciplines.
PO5	Analytical reasoning: Graduates are expected to acquire formulate
	cogent arguments and spot logical flaws, inconsistencies, circular
	reasoning etc.
PO6	Research-skills: Graduates are expected to be keenly observant about
	what is going on in the natural surroundings to awake their curiosity.
	Graduates are expected to design a scientific experiment through
	statistical hypothesis testing and other a priori reasoning including
	logical deduction.
P07	Teamwork: Graduates are expected to be team players, with
	productive co-operations involving members from diverse socio-
	cultural backgrounds.
PO8	Leadership reactiness: Graduates are expected to be familiar with
	decision-making process and basic managerial skills to become habetter
	leader. Skills may include defining objective vision and St Willie d's College of
	to become charismatic inspiring leader and so on.



(Affiliated to Mumbai University)

Opp. Ayush Resort, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel, Navi Mumbai-410206 Ph. No. +91-8655678500, 9699625148 • College Code 1033 • E-mail:stwilfred.acs@gmail.com • website : www.stwilfreds.org

ProgramSpecificOutcomes(PSOs)

PSO1	Gains complete knowledge about all fundamental aspects of all the
	elements of chemistry.
PSO2	Understands the background of organic reaction mechanisms, complex chemical structures, instrumental method of chemical analysis, molecular rearrangements and separation techniques.



friedla

PRINCIPAL St. Wilfred's College of Arts, Commerce & Science