

BHAVAN'S HAZARIMAL SOMANI COLLEGE OF ARTS & SCI., SHRI MANUBHAI MANEKLAL SHETH JR. COLLEGE OF ARTS & SCIENCE AND JAYRAMDAS PATEL COLLEGE OF COMMERCE & MANAGEMENT STUDIES, MUMBAI – 400 007.

A. Program outcome and Program specific outcomes offered by the Department

Name of the Programme specialization

: B.A Economics

	PROGRAM OUTCOMES	PROGRAM SPECIFIC OUTCOMES
UNDERGRADUATE	<ul style="list-style-type: none"> To ensure sound knowledge of the subject as prescribed by the University of Mumbai To guarantee consistent improvement in the performance of students as compared to theirs at the entry level and encourage them for further studies To instill skills like critical thinking, communication, initiative which potentially leads to long-term benefits such as higher rates of employment and educational fulfillment 	<ul style="list-style-type: none"> To equip students to succeed in an information rich, technology based society through ICT Literacy To help students understand content faster and better by improvement in teaching learning process To conduct adequate enrichment activities which will expose them to a variety of skilled careers and equip them with the tools and resources they need to build a future.

B. Course Outcomes of all courses offered by the Department

Name of the Course : B.A. Economics

CLASS	SEM	PAPER NO	PAPER CODE	PAPER	LEARNING OUTCOMES
F.Y.B.A	I	I		MICROECONOMICS I	This course is designed to introduce the students to elementary concepts in microeconomics. The student should be able to use these concepts to understand the relevance of microeconomics to the real world. The student should be able to build on these concepts in the future to develop deeper understanding of the Economy.
F.Y.B.A	II	II		MACROECONOMICS I	
S.Y.B.A.	III	III		MICROECONOMICS II	The Course is designed to develop the student's understanding of basic tools of microeconomic analysis. It builds on the material covered in semester 1 and is designed
S.Y.B.A.	IV	V		MACROECONOMICS II	

					to help the student apply microeconomics to the real world.
S.Y.B.A.	III	IV		CONTEMPORARY ISSUES OF THE INDIAN ECONOMY: ECONOMIC SURVEY	The Board of Studies in Economics has revised the syllabi of papers at the SYBA which will be made effective from the Academic Year 2017-18. In Semester III, students will study the contemporary economic issues with respect to Indian economy in the context of Economic Survey of the Government of India while in Semester IV, students will study the Development Issues of Maharashtra's Economy in the context of Report of The High Level Committee on Balanced Regional Development Issues in Maharashtra, Planning Department, Government of Maharashtra, 2013.
S.Y.B.A.	IV	VI		MAHARASHTRA'S ECONOMY: DEVELOPMENT ISSUES	
T.Y.B.A.	V	VII	ECOMI E501	MICROECONOMICS III	The course is designed to provide sound understanding in microeconomic theory. Since students have been taught perfect competition, this course focuses on three aspects, which are the study of imperfect competition, general equilibrium and welfare economics.
	V	VIII	ECODE V502	ECONOMICS OF DEVELOPMENT	This course is designed to inculcate diverse concepts related to economic growth and development by giving special emphasis on structural issues related to the process of development. In order to create an awareness on policy options, the pressing problems on the path of development such as inequality, poverty and technological aspects are dealt in.

	V	IX	ECOILE C503	INDUSTRIAL & LABOUR ECONOMICS - I	There has been a paradigm shift in the structure of the Indian industrial sector and the policies governing it ever since the new era of globalisation and liberalisation has ushered in. This paper intends to equip the students with the knowledge about the fundamentals of Industrial Economics and also the changing policies related to the Indian industry in the globalised era.
	V	X	ECORM B504	RESEARCH METHODOLOGY	This paper is designed with the view to introduce the concepts, principles and methods of economic research based on qualitative and quantitative data. The course will enable the students to get an insight into the applications of modern analytical tools and techniques related economic decision making. The student gets an opportunity to learn how to collect and analyze primary and secondary data. Practical sessions will strengthen the knowledge related to computer applications to research analysis.
	V	XI	ECOEN VC505	ENVIRONMENTAL ECONOMICS	This course focuses on economic causes of environmental problems. In particular, economic principles are applied to environmental questions and their management. Economic implications of environmental policy are addressed as well as valuation of environmental improvements

	V	XII	ECOHE T506	HISTORY OF ECONOMIC THOUGHT	This course provides basic understanding about the celebrated economists and their contributions starting from the classical period. It throws light on the contributions of Nobel Laureates of recent period too.
T.Y.B.A.	VI	XIII	ECOMA 601	MACROECONOMICS III	This course introduces the students to formal modelling of a macroeconomic theory with analytical tools. It focuses on goods market with fixed exchange rate, the money market, uncovered interest rate parity and the benefits and costs of fixed and flexible exchange rates.
	VI	XIV	ECOIN T602	INTERNATIONAL ECONOMICS	This course develops a systematic exposition of models which explain the composition, direction, and consequences of international trade, and the determinants and effects of trade policy. It then builds on the models of open economy macroeconomics focussing on national policies as well as international monetary systems. It concludes with an analytical account of the causes and consequences of the rapid expansion of international financial flows in recent years.
	VI	XV	ECOILE C603	INDUSTRIAL & LABOUR ECONOMICS - II	Issues pertaining to the labour market, wage policy, trade unions and amicable solutions to industrial disputes have become vital for developing countries, especially for India, where the bulk of the labour force is employed in the unorganised sector, and the organized sector is witnessing a phenomenon of

					‘jobless’ growth. This paper intends to provide knowledge of the same and also discusses the importance of labour welfare and social security measures for the growing labour force in India.
	VI	XVI	ECORM B604	RESEARCH METHODOLOGY	This paper is designed with a goal to strengthen the critical thinking and listening skills in conducting economic research and to device research outcomes in an impeccable way. The entire course is based on the broad social sciences spectrum.
	VI	XVII	ECODT EC605	DEVELOPMENT THEORY & EXPERIENCE	This is the second paper of economic development sequence. The course begins with demographic concepts and their evolution during the process of development. Then it focuses on the theory migration and discusses the link between migration and development. The structure of markets and contracts is linked to the particular problems of enforcement experienced in poor countries. The course ends with the issues related to environment and development.
	VI	XVIII	ECOITP P606	INTERNATIONAL TRADE, POLICY & PRACTICE	This course is designed for addressing changing phase of International Trade Policy and Practice. The main purpose of this course is to expose students to current trends in International developments.

A. Program outcome and Program specific outcomes offered by the Department

Name of the Programme specialization

: B.A English Literature

Program	Program outcomes	Program specific outcomes
Under graduate B.A	1.Learners of literature are acquainted with the various genres and literary terms.	1. Ability to write clearly, coherently and effectively about various genres of

English Literature	2.Enhanced language proficiency through adequate exposure to reading and writing skills 3.. To develop analytical skills and critical thinking through close reading of literary texts. 4.To enable students to understand that literature is an expression of human values within a historical and social context.	literature. 2. Enhanced language proficiency making the students employable in the fields of academics, mass-media, content development and so on.
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B1. Course Outcomes of all courses offered by the Department

Name of the Course : B.A. English Literature

Sl.no	Subject	Subject code	Objectives
1.	FYBA: Communication Skills:		1. To enhance language proficiency by providing adequate exposure to reading and writing skills. 2. To orient the learners towards the functional aspects of language. 3. To increase the range of lexical resource through a variety of exercises.
2.	Introduction to Literature Paper I	UAENG301 & UAENG401	1. To acquaint students with the characteristics of various literary genres. 2. To develop analytical skills and critical thinking through close reading of literary texts. 3. To cultivate appreciation of language as an artistic medium and to help them understand the importance of forms, elements and style that shape literary works. 4. To enable students to understand that literature is an expression of human values within a historical and social context. * Course Outcome: 1.By the end of the course, a student should develop the ability. 2. To write clearly, coherently and effectively about various genres of literature. 3. To recognize the culture and context of the work of literature. 4. To develop sensitivity to nature and fellow human beings.
3.	SYBA: American	UAENG302 &UAENG402	1. To acquaint the learners of literature with the various genres and literary terms of twentieth century American

	Literature Paper III		<p>Literature.</p> <p>2. To sensitize them to the themes and styles of American Literature.</p> <p>3. To introduce them to the socio-cultural milieu of twentieth century America through literary texts.</p> <p>4. To enhance their understanding of American, African American and Multicultural sensibilities by introducing them to the literary works representing them.</p> <p>5. To facilitate cross-cultural perspectives and discussions on American Literature.</p>
4.	Indian Literature in English Paper II	UAENG301 & UAENG401	<p>1. To introduce learners to the uniqueness of Indian Literature in English.</p> <p>2. To acquaint learners to the pluralistic dimensions of Indian Literature in English.</p> <p>3. To help them understand the different genres of Indian Literature in English.</p> <p>4. To familiarise learners with different perspectives of approaching this literature.</p> <p>5. To make learners aware of prominent Indian Writers in English.</p>
5.	TYBA: 16th to 18th Century English Literature Paper IV	UAENG501 & UAENG60	<p>1. To introduce students to English Literature of the 16th, 17th and 18th centuries.</p> <p>2. To show them how background influences shaped the writer's thinking.</p> <p>3. To present them to the literary masters who dominated the scene</p> <p>4. To familiarize students with different writing styles that each age adopted.</p> <p>*Outcome of the Course: After completion of the course, students are expected to be able to:</p> <p>1) To understand the distinctive features of English literature of the 16th, 17th and 18th centuries.</p> <p>2) To comprehend how background influences shaped the writer's thinking.</p> <p>3) To recognize and appreciate the literary masters who dominated the scene.</p> <p>4) To grasp the different writing styles that each age adopted.</p>
6.	Literary Criticism Paper V	UAENG502 & UAENG602	<p>1) To introduce the learners to important critical terms.</p> <p>2) To make them aware of the nature and function of literature and criticism.</p>

			<p>3) To impart the technique of close reading of literary texts.</p> <p>4) To enable them to understand various literary theories and critical approaches.</p> <p>5) To familiarize the learners with the tenets of practical criticism</p> <p>*Outcome of the Course: After completion of the course, students are expected to be able to:</p> <p>1) Use some important critical terms.</p> <p>2) Become aware the nature and function of literature and criticism.</p> <p>3) Impart the technique of close reading of literary texts.</p> <p>4) Understand the various literary theories and critical approaches.</p> <p>5) Be familiar with the tenets of practical criticism.</p>
7.	Popular Culture Paper VI		<p>1.To understand the nature and politics of Popular Culture.</p> <p>2. To explore the interplay between Culture and Popular Culture and their influence over each other.</p> <p>3. To expand existing critical thinking to enable textual analysis</p> <p>4. To understand different perspectives on politics and control.</p> <p>* Outcome of the Course: After completion of the course, students are expected to be able to:</p> <p>1. To articulate in writing responses to thinking critically about Popular Culture.</p> <p>2. To be able to assert agency over events involving their lives</p>

B1. Course Outcomes of all courses offered by the Department

Name of the course : B.A. History & Archaeology

Sr. No	Name of the Course	Course Code	Programme specific outcomes
1	History of Modern India (1857 – 1947)	F.Y.BA	To make the student aware about the making of modern India and the struggle for independence.
2	Landmarks in World History, 1300 A.D.-1945 A.D.	S.Y.BA	To enable the students to comprehend the transition of Europe from medieval to modern times and its impact on

			<p>the world.</p> <p>To provide accurate knowledge of the most significant events and personalities of the period under study and encourage understanding of the making of the modern world.</p>
3	Ancient India from Earliest Times to 1000 A.D.	S.Y.BA	<p>To acquaint the students with different sources of Ancient Indian History.</p> <p>To enable the students to understand the political, socio-economic and cultural developments in the period under study and appreciate the rich cultural heritage in India.</p>
4	Travel and Tourism	S.Y.BA	<p>The Skill enhancement course aims to make the student to understand about tourism and its impact in the country's growth.</p> <p>It deepens the understanding about tourism as an activity, how the tourism industry is organized and developed, and how tourism influences society locally, nationally and globally.</p> <p>The knowledge and skills acquired through the program is essential and useful for a variety of different careers.</p>
5	History of Medieval India (1000 CE-1526CE)	Core Course IV	<p>To acquaint the students with the history of early Medieval India that laid the foundation of the Sultanate in India.</p> <p>To study the contribution of various kingdoms during Medieval period and to examine the administrative, socio-economic and cultural aspects of Medieval India.6</p>
6	History of Modern Maharashtra (1818 CE – 1960 CE)	Core Course V	<p>To acquaint students with regional history.</p> <p>To understand political and socio-economic developments during the 19th and 20th centuries.</p>

			To create understanding of the movement that led to the formation of Maharashtra.
7	Introduction to Archaeology	Elective Course VI A	To understand the basic facets of Archaeology. To evaluate the importance of Epigraphy. To study the importance of Numismatics as an important source of history.
8	SEMESTER- VI History of Medieval India (1526 CE-1707 CE)	Core Course IV	To acquaint the students with the history of India since the emergence of the Mughal rule. To understand administration of the Mughal Empire. To study the rise of Maratha Power.
9	History of Contemporary India (1947 CE – 2000 CE)	Core Course V	To understand the process of making the constitution and the Integration and Reorganization of Indian States. To acquaint the students with the political developments in India after independence. To comprehend the socio-economic changes and progress in science and technology in India.
10	Introduction to Museology and Archival Science	Elective Course VI A	To inform the students about the role of Museums in the preservation of Heritage. To understand the importance of Archival Science in the study of History. To encourage students to pursue careers in various Museums and Archives in India and abroad.

B1. Course Outcomes of all courses offered by the Department

Name of the Course : B.A. Marathi Literature

Year	Name of the Course	Course code	Objectives
FYBA – SEM1	ANL-SEM1 -Marathi Drama	UMAR101	1) To understand the concept of Drama 2) To experience significance & nature of Marathi Drama.
FYBA – SEM2	ANL-SEM2 – MARATHI POETRY	UMAR 201	1) To understand form of Poetry 2) To realise emotions involved in poetries
SYBA (SEM III)	MAR -II SEM 3- AbhyasPatrika No.2 Novel- Concepts & Structure.	UMAR 201	1) To understand concept of Novel 2) To realise structure of Novel
	MAR-III- SEM3 Paper No.3-301 - 'BHASA AANI BHASHA BHYAS'		1) To understand concepts of languages utilised by human beings 2) To realise development of our language.
SYBA (SEM IV)	Mar -II SEM 4 – Paper No -2 Self-Talk- Concept & Structure.		1) To understand concept of self-talk 2) To experience different experience of other writers
	MAR III – SEM 4 PAPER No. 3 (UAMAR – 402) – MARATHI BOLINCHA ABHYAS – MALVANI BOLI.		1) To understand the structure of MalvaniBoli 2) To experience Marathi Lit. inMalvaniBoli.
TYBA SEM V & VI	MAR – Paper IV 'History of Medieval Marathi Literature'		1) To understand History of Medieval Marathi Lit. 2) To understand importance & culture of medieval Marathi lit.
	MAR- PAPER V Indian and western theories of literature		1) To understand Indian & western theories of literature & its value and impact on each other 2) To understand Indian & western culture of Marathi Lit.
	Mar- Paper VI Literature and society		1) To understand Indian society its culture & its

			relationship with literature in Marathi. 2) To realise impact of literature on society.
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A.Program outcome and Program specific outcomes offered by the Department

Name of the Programme specialization

: B.A Political Science

Program	Program outcomes	Program specific outcomes
Under graduate BA Political Science	To help study Political Science from an academic and scientific perspective	To provide Career Options on the basis of the interest and the caliber of the students
	To build in the skills to analyze and prioritize issues of vital political importance at the national and international levels	To provide a holistic picture of the national and world movements through Films of relevance and also to assist in identifying crucial global political personalities
	To employ methods related to simulation of political processes by employing models	To develop an interest in the theories of the subject that are relevant in the contemporary world scenario and subsequently decoding the events at the national and global levels
	To bridge the gap between the expected and the real(misconceptions)and to allow freedom of expression	To foster a sense of political responsibility and constitutional acceptance.Through the subjects of International Relations and International Organizations, it also aims at initiating a worldwide view of issues.

B1. Course Outcomes of all courses offered by the Department

Name of the Course

: B.A. Political Science

Sr. No	Name to the Course	Course Code	Programme specific outcome (students will be to understand)
1	Politics Paper- I: Indian Political System	81056	1. The structure and functional aspect of Constitution of India 2. The Making of Indian Constitution
2	Politics Paper- II Political Theory	A-3990	1. The basic concepts and ideas in Political Science 2. The theoretical background of Political Science
3	Politics Paper- III:	79478	1. The important concept of the study of

	Public Administration and Indian Administration		administration.
4	Paper-IV: International Relations	97019	1. To understand the crux of International Politics, cold war and power balance
5	Politics Paper V: Political Thought	97051	1. The political philosophy and ideas developed by
6	Politics Paper VI A: Political Process in Modern Maharashtra	97087	1. How the idea of Maharashtra has been evolved 2. The comprehensive profile of Maharashtra state 3. The political process and the issues in Maharashtra Politics
7	Paper-VIIB: Understanding Politics through Films	97120	1. To understand Indian Cinema as tool of Soft Power 2. To know how Films shape political understanding
8	Paper VIII (A): International and Regional Organizations	97151	1. Familiarize students with the UN and other organizations 2. Focus on the evolution, membership and the successes & limitations of Intl. Organizations.
9	Paper IX(A): Local Government with Special Reference to Maharashtra	97087	1. The structure, role and function of local self-government 2. The Rural- Urban gap and other problems in Maharashtra
10	Foundation Course	79401	1. To disseminate awareness about social issues among students

A. Program outcome and Program specific outcomes offered by the Department

Name of the Programme specialization : B.A Sociology

Program	Program outcomes	Program specific outcomes
Under graduate BA Sociology	To help study Sociology scientifically	To offer a deeper insight into the workings of society and the variety of roles that the students would take on in the near future
	To allow the student to see the social world from many perspectives	To provide an overview of the concerns of Indian society by conducting regular Field Trips and Community Out-Reach Programmes.
	To help in the development of personality through numerous exchanges of ideas, ideologies, dogma views and thoughts.	To provide the student with self-enlightenment or increased self-understanding. To clear cobwebs and a great deal of nonsense about heredity, class,

	Leadership skills and thinking abilities are thereby nurtured and shaped.	race, sex differences, deviation and nearly every other aspect of human behaviour
	To help in the development of a social consciousness.	To foster a sense of social responsibility and improve social interaction

B1. Course Outcomes of all courses offered by the Department

Name of the Programme : BA - SOCIOLOGY

Sr. No	Name to the Course	Course Code	Programme specific outcome (students will be to understand)
1	FYBA Sociology Paper I/Sem I Foundations of Sociology	UASOC 101	<ul style="list-style-type: none"> • To introduce the students to basic concepts in sociology • To familiarize students with the theoretical aspects of different concepts
2	FYBA Sociology Paper I/ Sem II Fundamentals of Sociology	UASOC 201	<ul style="list-style-type: none"> • To introduce the students to the emerging issues in Sociology • To enthuse students and introduce them to the relevance and varied possibilities for future studies in Sociology
3	SYBA Paper II/Sem III Indian society: structure and change	UASOC 301	<ul style="list-style-type: none"> • To introduce students to the Indian sociological traditions • To familiarize students with the research traditions in Indian sociology • To acquaint students with the emerging issues in Indian society
4	SYBA Paper II/Sem IV Sociology of Development	UASOC 401	<ul style="list-style-type: none"> • To introduce various theoretical perspectives in Indian society that have shaped development • To help students gain an insight into emerging issues and contemporary debates within the development discourse

5	SYBA Paper III/Sem III Contemporary issues in Indian society	UASOC 302	<ul style="list-style-type: none"> • To bring awareness and sensitivity among the students towards contemporary issues • To inculcate responsibilities and promote equality
6	SYBA Paper III/Sem IV Emerging fields in sociology	UASOC 402	<ul style="list-style-type: none"> • To introduce students to the relevance and varied possibilities for future studies in Sociology • To make students aware about the new vibrant fields in Sociology • To provide students with an in-depth understanding of struggle and survival in today's contemporary scenario.
7	TYBA Paper 4/Sem 5 Theoretical sociology	UASOC 501	<ul style="list-style-type: none"> • To provide students of Sociology with the understanding of Sociological theory • To train students in the application of these theories to social situations
8	TYBA Paper 4/Sem 6 Anthropological thought	UASOC 601	<ul style="list-style-type: none"> • To provide students with the understanding of theoretical anthropology • To train students in the application of these theories to social situations
9	TYBA Paper 5/Sem 5 Sociology of agrarian society	UASOC A 502	<ul style="list-style-type: none"> • To introduce students to the dynamics of traditional and contemporary agrarian society • To understand the dynamics of agrarian formations and assess the development measures since 1947
10	TYBA Paper 5/Sem 6 Development and changes in agrarian society	UASOC A 602	<ul style="list-style-type: none"> • To analyze attempts at social and financial inclusion of agrarian community • To evaluate present alternative development initiatives and analyze the role of globalization in agriculture

11.	TYBA Paper 6/Sem 5 Sociology of Gender (Elective)	UASOC 503	<ul style="list-style-type: none"> • To trace the evolution of gender as a category of social analysis • To trace the emergence of the women's movement in India and the history of their struggles
12.	TYBA Paper 6/Sem 6 Gender and society n India: Contemporary debates and emerging issues (Elective)	UASOC 603	<ul style="list-style-type: none"> • To understand new and emerging issues in the Indian feminist landscape • To understand newer methods of protest and resistance

Academic year 2018-2019

A. Program outcome and Program specific outcomes offered by the Department

Name of the Programme specialization : B.Sc. Botany

Program	Program outcomes	Program specific outcome
Under graduate B.Sc Botany	<p><u>1. Specific core discipline knowledge</u> Students can recall details and information about the evolution , anatomy, morphology, systematic, genetics, physiology, ecology and conservation of plants and all other forms of life.</p> <p>2. Students unique ecological and evolutionary features of the local and Indian flora.</p> <p><u>Communication skills</u> Students can communicate effectively using oral and written communication skills</p> <p><u>Problems solving and research skills</u> Students can generate and test hypotheses, make observations, collect data, analyze and interpret results, draw conclusions, and evaluate their significance within a broad scientific context.</p>	<ul style="list-style-type: none"> • To recognize and identify major groups of non- vascular plants and their phylogenetic relationships. • To understand the phylogeny of plants and study various systems of classification. • To explore the morphological, anatomical, embryological details as well as economic importance of algae, fungi, bryophytes pteridophytes, gymnosperms and angiosperms. • To understand physiological processes and adaptations of plants • To provide knowledge about environmental factors and natural resources and their importance in sustainable development. • To be able to carry out phytochemical analysis of plant extracts and application of the isolated compounds for treatment of diseases. • To be able to deal with all microbes and the technologies for their effective uses in industry and mitigation of environmental concerns. • To explain how current medicinal practices are often based on indigenous plant knowledge and to get introduced to different perspectives on treating ailments according to ethnomedicinal principles. • To understand patterns of heredity and variation among individuals, species and populations and apply principles for improvement of quality and yield. • To be able to apply statistical tools to gain insights into significantly different data from different sources. • To acquire recently published knowledge in molecular biology , such as rDNA technology ; PTC and bioinformatics and their applications

B. Course Outcomes of all courses offered by the Department

Name of the Course : B.Sc Botany

Sl.No	Course	Name of the course	Course code	Course objectives
1.	FYBSc (Semester I & Semester II)	Paper-I Plant Diversity-I	USBO101	Learner will get the knowledge of: <ul style="list-style-type: none"> ➤ Importance & diversity of algae. ➤ Mode of nutrition & economic importance of fungi. ➤ Life cycle of primitive bryophytes & general characters of class Musci.
		Paper-II Form & Function-I	USBO102	Learner will get the knowledge of: <ul style="list-style-type: none"> ➤ cell as basic unit of life with emphasis on plant cell. ➤ Structure and function of Ecology and examples of different types of ecosystem. ➤ Principles of Epistasis as non Mendelian genetics and ability to solve problem simple problems based on Epistasis.
			USBO201	Learner will get the knowledge of: <ul style="list-style-type: none"> ➤ Stellar evolution & life cycle of Nephrolepis. ➤ Systematic botany through morphological characters, types of inflorescence. ➤ Detail systematic position and life cycle of <i>Cycas</i> and its economic importance.
			USBO202	Learner will get the knowledge of: <ul style="list-style-type: none"> ➤ Basics of anatomy, Epidermal, mechanical & vascular tissue system, & structure of root , stem & leaves. ➤ Various pigments involved in photosynthesis, light dependent and light independent pathway of photosynthesis . C3, C4 and CAM pathway for carbon assimilation. ➤ Concept of Primary and secondary metabolites, active constituents found in common medicinal plants included in Grandma's Pouch.
2.	SYBSc Semester III	Paper-I Plant Diversity	USBO301	The learner will get the knowledge of <ul style="list-style-type: none"> ➤ Cryptogams - their general characters, structure, life cycle & economic importance. ➤ Floral morphology, general characteristics and importance of angiosperms. ➤ Techniques used to study Plant

				Diversity.
	SYBSc Semester III	Paper-II Form and Function -II	USBO302	The learner will get the knowledge of ➤ Structure and functions of various cell organelles and different aspects of cell cycle and cell division. ➤ Mechanisms of sex determination ➤ Study the modes of DNA replication and protein synthesis.
		Paper III Current Trends in Plant Sciences-I	USBO303	The learner will get the knowledge of ➤ Pharmacognosy and various secondary metabolites found in plants. ➤ Different types of forests in India and their economic importance. ➤ Applications of Aromatherapy & nutraceuticals.
	SYBSc Semester IV	Paper-I Plant Diversity	USBO401	The learner will get the knowledge of ➤ Different Fungi - their general characters, structure, life cycle & pathogenicity. ➤ Basic features of Pteridophyta and Paleobotany. ➤ Gymnosperms-their distribution, life cycle & economic importance
		Paper-II Form and Function-II	USBO402	The learner will get the knowledge of ➤ Mechanical tissues and secondary growth in plants. ➤ Various processes involved in respiration, Photorespiration & Photoperiodism ➤ Biogeochemical cycles and various ecological factors.
		Paper III Current Trends in Plant Sciences-II	USBO403	The learner will get the knowledge of ➤ Indoor gardening and various national parks and botanical gardens. ➤ Plant tissue culture and r-DNA technology. ➤ Biostatistics and Bioinformatics
3.	TYBSc Semester V	Paper-II Plant Diversity-IV	USBO502	The learner will acquire knowledge of ➤ Fossils forms and understand their role in evolution ➤ Plant description, morphological and reproductive structures of seven families and also identify and classify according to Bentham & Hooker's System ➤ Pollen study and learn to apply it in various fields.
		Paper-III Form & Function- III	USBO503	The learner will acquire knowledge of ➤ Two important organelles and molecular mechanisms of translation. ➤ Principles and techniques of plant tissue culture and apply these studies for improving agricultures and horticulture

				and to become an entrepreneur.
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	TYBSc Semester V	Paper-II Plant Diversity-IV	USBO602	<p>The learner will acquire knowledge of</p> <ul style="list-style-type: none"> ➤ Contribution of Botanical gardens, BSI to angiosperm study and provide plant description , describe the morphological and reproductive structures of seven families ➤ Phylognetic system of classification . ➤ Anatomical adaptations of different ecological plant groups . ➤ Development of f male and female gametophytes, embryonic structure and development. ➤ Different aspects and importance of Biodiversity and utilize them for conservation of species so as to prevent further loss or extinction of Biodiversity and preserve the existing for future generations
		Paper-III Form & Function-III	USBO603	<p>The learner will acquire knowledge of</p> <ul style="list-style-type: none"> ➤ Various plant bimolecular structures and appreciate the structures, role, functions and applications of enzymes. ➤ Nitrogen and plant hormone metabolism with applications of the same in agriculture and horticulture. ➤ principles of genetic mapping, mutations and solve problems based on them, gain knowledge of various metabolic disorders and their implications ➤ test hypotheses, make observations, collect data, analyze and interpret results, derive conclusions , and evaluate their significance within a broad scientific context, using suitable statistical techniques.

Sl.No	Course	Name of the course	Course code	Course objectives
1.	TYBSc (Semester V)	Unit –I Environment and Pollution	USA CEVS501	<p>Learners shall comprehend the impact of the interrelationship between various components of environment.</p> <p>Learners will apply the knowledge of pollutants to undertake research projects studies.</p>

2.		Unit –II Green chemistry and sustainability		would be critical and creative during the designing, manufacturing and utilization of chemical products, which would reduce or eliminate the use or generation of hazardous substances.
3.		Unit –III Alternate Energy Resources		To comprehend, the importance of alternative energy resources. To emphasise the need, to conserve the energy resources. Learners shall value the alternative energy resources and hence follow the 4R's (Reduce, Reuse, Recycle & Reinvent)
		Unit –IV Applications of analytical Methods		Learners shall develop skills in instrumentation used for the study and analysis of various substances related to the environment.
		Unit –V Green / Environment Audit		Learners and facilitator both will develop conceptual clarity on pollution control and green environment auditing besides gaining knowledge about these programmes in the Indian scenario
		Unit –VI Industrial consultancy		Learners and facilitator both will be exposed to the various areas and facets of industrial consultancy, and shall also develop competency and confidence to explore it. Learner will be able to grasp the importance of various norms required for NPCB permits and procedure for liaison.
		Unit –VII Neo Avenues		Learners will develop an acumen to tap the potential for entrepreneurship with respect to environment related products and indoor plants.
		Unit –VIII Case studies and Simulations		Learners will comprehend and develop better acumen so as to take wise and necessary decisions while participating in environment related projects or framing policies/assessing environmental damages/ carrying out entrepreneurial activities beneficial to environment. Learners shall primarily learn to tackle real life situations with common sense.
	TYBSc (Semester VI)	Unit –I Business analytics of Environment Testing	USACEVS6 01	Learners will gain knowledge about environmental testing and monitoring laboratories, air, water quality and noise exposure standards and methods of physico-chemical and bacteriological sampling Learners will be exposed to the know how

				regarding establishing environmental testing and monitoring laboratories.
		Unit –II Ecological restoration		Learners will study and comprehend the treatment practices applied for domestic waste water and industrial effluents. Learners will be equipped with the knowledge of some alternatives to conventional resources.
		Unit –III Impact Assessment through Ecological Modelling		Learners will develop an understanding on the concept , application and limitation of modeling as a tool for summarizing or applying the research and survey findings. Learner will develop skills on the application of neural networking and statistical modeling.
		Unit –IV Finance		Learner will gain an insight into the basics of costing, book keeping and accountancy. Learners will be equipped to apply the concepts in his entrepreneurial ventures.
		Unit –V Biodiversity conservation & Ecotourism		Learners will develop aptitude to examine and assess the outcome of the framework of current biodiversity hotspots and biosphere reserves. Learners will be able to list the different aspects of wildlife photography and inspect the positive and negative aspects of it, also be able to recommend how wildlife photography can support biodiversity conservation. Learners will be able to assets the future challenges that ecotourism can generate for biodiversity conservation.
		Unit –VI Climate change		Learners will ponder upon and find out the what, why, where, whom and which of climate change and global warming Learners will be able to identify and evaluate the effects of the different sources of greenhouse substances.
		Unit –VII Environmental Education & Legislation		Learner will be imbibe positive changes in attitudes , commitments and civic actions required to combat harmful effects of anthropogenic activities and development on environment. Learner would inculcate ethical values and responsibilities towards protection of environment Learner will be equipped to implement goals of environment protection

A. Program outcome and Program specific outcome offered by the Department**Name of the Programme specialization****: B.Sc. Chemistry**

Program	Program outcomes	Program specific outcomes
Under graduate B.Sc Chemistry	1. Learner will be able to gain knowledge about the concepts in Physical, Analytical, Organic and Inorganic Chemistry	1.A understanding of the fundamental concepts in Physical, Analytical, Organic and Inorganic Chemistry
	2.Learner will be able to develop skills on different methods of analysis	2.Apply the conceptual knowledge in experiments and develop skills in performing the experiments
	3.Learner will be able to recognize and appreciate the applications of chemistry in day to day life and understand its interdisciplinary avenues in various fields of Science and technology	3.Appllication to new developments in the field of chemistry and knowledge of the significance find application in industry, medicine and research.

A. I. Course outcomes for all the courses offered by the department**Name of the course: B.Sc Chemistry**

SL.N o	Course	Name of the course	Course code	Course objectives
1.	FYBSc (Semester I & Semester II)	Paper-I (General Chemistry) Paper-II (General Chemistry)	USCH101, USCH102, USCH201, USCH202, USCHP1 USCHP2	1.To make the students have a firm foundation in the fundamentals of chemical and scientific theories in Physical,Inorganic and Organic chemistry 2.To make learner understand the basic concepts of system ,surrounding, thermodynamic properties, functions, law of thermodynamics and introduction of thermochemistry 3.To allow the learner to deal with quantitative aspects of chemistry 4. To introduce the concepts of periodic table, periodicity of elements and their properties, effective nuclear charge, Slaters rule to the learner. 5. To familiarize the learner with the system of IUPAC nomenclature for organic compounds 6. To introduce the concept of hybridizationw.r.t to carbon, nitrogen and oxygen in organic compounds 7. To apply safety rules in the practice of laboratory investigations
2.	SYBSc (Semester III& Semester IV)	Paper-I (General Chemistry) Paper-II (General Chemistry)	USCH301, USCH302, USCH303 USCH401, USCH402, USCH403, USCHP1	1. To infuse in the learner a spirit of inquiry into the fundamental aspects of the various core areas of Chemistry. 2. To make the learner proficient in analysing the various observations and chemical phenomena presented to him during the course. 3. To make the learner capable of solving

) Paper III (Basics of Analytical Chemistry)	to USCHP6	<p>problems in the various units of this course</p> <p>4. To give the learner an opportunity to get hands on experience of the various concepts and processes in the various branches of chemistry</p> <p>5. To impart various skills of handling chemicals, reagents, apparatus, instruments and the care and safety aspects involved in such handling</p> <p>6. To make the learner capable of analysing and interpreting results of the experiments he conducts or performs</p>
3.	TYBSc (Semester V&Semester V I) 6 Units	Paper-I (Physical Chemistry)	USCH501 USCH601 USCHP01 USCHP02	<p>1. To introduce to the learner molecular spectroscopy</p> <p>2. To take learners through colligative properties in chemical thermodynamics</p> <p>3. To orient learners about collision theory of chemical kinetics and classification of reactions</p> <p>4. To make learners aware of Nuclear chemistry</p> <p>5. To acquaint learner to surface chemistry</p> <p>6. To provide all learners a complete insight about colloidal state and surfactants</p> <p>7. To facilitate the learning of electrochemistry</p> <p>8. To impart knowledge of polymers</p> <p>9. To enlighten learners about the basics of quantum chemistry</p> <p>10. To make learners understand the importance of renewable energy resources</p> <p>11. To impart knowledge about nuclear magnetic spectroscopy</p> <p>12. To educate learners about electron spin resonance spectroscopy</p> <p>13. To introduce the learner to be competent at all basic laboratory skills and will be able to complement and develop these with more advanced techniques</p>
		Paper-II (Inorganic Chemistry)	USCH502 USCH602 USCHP03 USCHP04	<p>1. To introduce the concept of molecular symmetry and chemical bonding</p> <p>2. To expose the learner to the concept of solid state chemistry and super conductivity</p> <p>3. To equip learner with a sound knowledge chemistry of inner transition elements, chemistry of nonaqueous solvents and chemistry of Group 16 and 17</p> <p>4. To enable the learner to understand the theories of metal-ligand bond, stability of metal complexes, reactivity of metal complexes and</p>

				<p>electronic spectra of complexes</p> <p>5. To develop an understanding of organometallic chemistry, metallocenes and catalysis</p> <p>6. To acquaint the learner with metallurgy, chemistry of group 18 and Bio inorganic molecules</p>
		Paper-III (Organic Chemistry)	USCH503 USCH603 USCHP05 USCHP06	<p>1. To make them aware of mechanism of organic reactions</p> <p>2. To introduce the concepts of photochemistry</p> <p>3. To expose the learner to stereochemistry</p> <p>4. To equip learner with heterocyclic chemistry</p> <p>5. To enable the learner to understand different methods of synthesis of organic compounds – Multicomponent synthesis and , green chemistry and synthesis.</p> <p>6. To acquaint the learner with IUPAC system of nomenclature of bicyclic, biphenyls, cummulene, quinolones and isoquinolines</p> <p>7. To introduce the learner to agrochemicals</p> <p>8. To give learner insight into planning of organic synthesis</p> <p>9. To equip learner with a sound knowledge of natural products</p> <p>10. To develop an understanding amino acids and proteins</p> <p>11. To introduce the principles of molecular rearrangements.</p> <p>12. To introduce basic concepts of structure, stereoisomers, mutarotation and reactions of carbohydrates</p> <p>13. To acquaint learners with the details of spectroscopy</p> <p>14. To introduce to the learner the basics nucleic acids and polymer</p> <p>15. To describe general features of catalyst and reagents in organic chemistry</p>
		Paper-IV (Analytical Chemistry)	USCH504 USCH604 USCHP07 USCHP08	<p>1. To introduce the concept of quality in analytical chemistry</p> <p>2. To make the learner understand the calculations for interconversion in chemical calculations and sampling</p> <p>3. To discuss the classical methods of analysis in</p>

				<p>relation to titrimetry –redox and complexometric titration</p> <ol style="list-style-type: none"> To acquaint the learners on various optical methods specific reference to Atomic spectroscopy, Molecular spectroscopy ,Phosphorescence spectroscopy ,Turbidimetry and nephelometry To provide learners a complete insight to method of separation -solvent extraction ,HPLC, HPTLC To facilitate the learning of electroanalytical techniques specific to Polarography and amperometric titrations To impart knowledge of Gas and Ion exchange chromatography To impart knowledge about TGA, DTA and thermometric titrations To make learners understand the importance Analytical method of validation To enlighten learners about food and cosmetic analysis
		Applied component (Drugs & Dyes)	USACD501 USACD601 USACDD5P1 USACDD6P1	<ol style="list-style-type: none"> To introduce to the learner the nomenclature, definition and basic idea of drugs To educate learners about routes of drug administration and dosage forms To take learners through the different types of drugs –analgesics, antipyretics and anti-inflammatory ,cardiovascular, antidiabetic, anti parkinsons and drugs for respiratory system. To orient learners about dyes –definition of terms in dyeing, nomenclature, naming of dyes by colour index To teach learners about natural and synthetic dyes. To make learners aware of types of fibres To acquaint learner to classification of dyes based on applications and dyeing methods To provide all learners a complete insight about optical brighteners To facilitate the learning of colour and constitution of dyes To impart knowledge of unit process and dye intermediates To enlighten learners about drug discovery, design and development To make learners understand the importance of nano particles in medicinal chemistry To impart knowledge about drugs and environmental aspects

				14. To educate learners about classification of dyes based on chemical constitution and synthesis of selected dyes 15. To introduce basic terms of health and environmental hazards of synthetic dyes and their remediation process 16. To develop conceptual clarity non textile uses of dyes 17. To familiarize the learners with dyes used in food and cosmetics 18. To introduce the learner to dye industry – Indian perspective
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A. Program outcome and Program specific outcome offered by the Department

Name of the Programme specialization

: B.Sc. Mathematics

Program	Program outcomes	Program specific outcomes
Under graduate B.Sc Maths	<p>Mathematics has been fundamental to the development of science and technology. In recent decades, the extent of application of Mathematics to real world problems has increased by leaps and bounds. It is imperative that the content of undergraduate syllabi of Mathematics should support other branches of science such as Physics, Statistics and Computer Science. Enough exposure to Applications of Mathematics needs to be included in the curriculum.</p> <p>The courses are designed to develop mathematical reasoning and algorithmic thinking and have applications in Science and Technology.</p>	<p>This course is focused on concepts Algebra, Analysis, Calculus and Topology.</p> <p>The Applied Component course focuses Algorithms and Concepts of programming</p> <p>The present syllabi has been designed so that the students learn Mathematics needed for these branches, learn basic concepts of Mathematics and are exposed to rigorous methods gently and slowly.</p>

B. I. Course outcomes for all the programmes offered by the department

Name of the course: B.Sc Mathematics

Sl.No	Course	Name of the course	Course code	Course objectives
1.	FYBSc (Semester I & Semester II)	Paper-I Calculus – I and II Paper-II Algebra- I and II	USMT101, USMT102, USMT201, USMT202, USMTP01 USMTP02	<ul style="list-style-type: none"> ▪ To teach Basic Calculus needed in every conceivable branch of science. ▪ To teach Basic Algebra that lays foundations to Linear

				Algebra, Number Theory and Discrete Mathematics’.
2.	SYBSc (Semester III & Semester IV)	Paper-I Calculus –III and IV Paper-II Algebra III and IV Paper III Discrete Mathematics and Differential Equations	USMT301, USMT302, USMT303 USMT401, USMT402, USMT403, USMTP03 USMTP04	<ul style="list-style-type: none"> ▪ To introduce Differential and Integral Calculus of one and multi-variable in nature ▪ To develop skills for tackling Mathematical Problems of finding area under a curve, surface area of revolution, solving System of Equations, ▪ Use matrix as a tool to solve Linear Algebra Problems ▪ To introduce abstract structure of Group and study its properties ▪ To learn all the concepts relating to linearity of ODE’s and computational solution methods for ODE’s and the real world applications of ODE’s
3.	TYBSc (Semester V & Semester VI) 6 Units	Sem-V Paper-I Integral Calculus Paper II Linear Algebra Paper III Topology of Metric Spaces Paper IV Number Theory and Applications –I Sem-VI Paper-I Complex Analysis	USMT501 USMT502 USMT503 USMT5B4 USMT601 USMT602 USMT603 USMT6B4	<ul style="list-style-type: none"> ▪ Study of Metric spaces , Notion of sequences continuity, Compactness Connectedness and Completeness and Applications ▪ Introductions to Abstract structures like Rings Fields, Integral Domains and its applications to solve Polynomial Equations.

		Paper II Algebra Paper III Metric Topology Paper IV Number Theory and Applications –II		<ul style="list-style-type: none"> ▪ To expose applications to Cryptography via Number Theory, Solutions to r Diaphantine Equations ▪ Basics of Complex Analysis like Complex integration, Cauchy Integral Formula, Singularities, poles Residues and Complex Power series and its Applications To develop skills for tackling Mathematical Problems which are abstract in nature.
		Applied Component in Sem V and VI:	USACCA501 USACCA601 USACCA5P1 USACCA6P1	At the end of Semester VI a student will be proficient in <ul style="list-style-type: none"> ▪ Building backend Web programs using Python. ▪ Writing applets in Java ▪ Data analysis and handling Databases using Oracle ▪ Python programming for scientific computing using Computer Assisted Systems like- SAGEMATH

A. Program outcome and Program specific outcome offered by the Department

Name of the Programme specialization

: B.Sc. Physics

Program	Program outcomes	Program specific outcomes
Under graduate B.Sc Physics	3. To develop analytical abilities towards real world problems	1. A thorough quantitative and conceptual understanding of the core areas of physics, including mechanics, , thermodynamics, quantum mechanics, electronics at a level compatible with graduate programs in physics at peer institutions

	2. To familiarize with current and recent scientific and technological developments	2.The ability to analyze and interpret quantitative results, both in the core areas of physics and interdisciplinary areas.
	3. To enrich knowledge through problem solving, hands on activities, study visits, projects etc.	3.The ability to use contemporary experimental apparatus and analysis tools to acquire, analyze and interpret scientific data.

B.I. Course outcomes for all the courses offered by the department

Name of the course: B.Sc Physics

Sl.No	Course	Name of the course	Course code	Course objectives
1.	FYBSc (Semester I & Semester II)	Semester I Paper-I (Classical Physics) Paper-II (Modern Physics) Semester II Paper-I (Mathematical Physics) Paper-II (Electricity and Electronics)	USPH101, USPH102, USPH201, USPH202, USPHP1 USPHP2	<ul style="list-style-type: none"> • Understand Newton's laws and apply them in calculations of the motion of simple systems. • Use the free body diagrams to analyze the forces on the object. • Understand the concepts of friction and the concepts of elasticity, fluid mechanics and be able to perform calculations using them. • Understand the concepts of lens system and interference. • Apply the laws of thermodynamics to formulate the relations necessary to analyze a thermodynamic process. • Demonstrate quantitative problem solving skills in all the topics covered • Understand the type isotopes and their applications. • Demonstrate and understand the quantum mechanical concepts. • Demonstrate quantitative skills in all the topics covered. • Understand the basic mathematical concepts and applications of them in physical situations. • Understand the diffraction and polarization processes and applications of them in

				<p>physical situations.</p> <ul style="list-style-type: none"> • Understand the applications of interference in design and working of interferometers. • Understand the resolving power of different optical instruments. • Understand the working of digital circuits • Use IC 555 timer for various timing applications. • Understand the postulates of quantum mechanics and to understand its importance in explaining significant phenomena in Physics. <p>Practicals:</p> <ul style="list-style-type: none"> • Understand and practice the skills while doing physics practical. • To understand the use of apparatus and their use without fear. • To correlate their physics theory concepts through practical. • Understand the concepts of errors and their estimation.
2.	SYBSc (Semester III & Semester IV)	<p>Semester III Paper-I (Mechanics and thermodynamics) Paper-II (Vector calculus, Analog Electronics) Paper III (Applied Physics I)</p> <p>Semester IV Paper-I (Optics and Digital Electronics) Paper-II (Quantum Physics) Paper III (Applied Physics II)</p>	USPH301, USPH302, USPH303 USPH401, USPH402, USPH403, USPHP1 to USCHP6	<ul style="list-style-type: none"> • Understand the concepts of mechanics & properties of matter & to apply them to problems. • Comprehend the basic concepts of thermodynamics & its applications in physical situation. • Learn about situations in low temperature. • Demonstrate tentative problem solving skills in all above areas. • Understand the basic physics and their concepts of mathematical applications in physical situations. • Understand the basic laws of electrodynamics and be able to perform

				<p>calculations using them.</p> <ul style="list-style-type: none"> • Understand the basics of transistor biasing, operational amplifiers, their applications • Understand the basic concepts of oscillators and be able to perform calculations using them. • Students will appreciate the role of Physics in 'interdisciplinary areas related to materials, Bio Physics, Acoustics etc. • Understand the scope of the subject in Industry & Research.
3.	TYBSc (Semester V & Semester VI) 6 Units	Semester V Paper-I (Mathematical, Thermal and Statistical Physics) Semester VI Paper-I (Classical Mechanics)	USPH501 USPH601 USPHP01 USPHP02	<ul style="list-style-type: none"> • Learn some mathematical techniques required to understand the physical phenomena at the undergraduate level and get exposure to important ideas of statistical mechanics. • Skill to solve simple problems in probability, understand the concept of independent events and work with standard continuous distributions. • Understand the concept of microstates, Boltzmann distribution and statistical origins of entropy • Understand the kinds of motions that can occur under a central potential and their applications to planetary orbits. • Learn the concepts needed for the important formalism of Lagrange's equations and derive the equations using D'Alembert's principle. • Understand simple concepts from fluid mechanics and understanding of the dynamics of rigid bodies • Understand the effect of adding nonlinear corrections to usual problems of mechanics and nonlinear mechanics
		Semester V Paper-II (Solid State Physics) Semester VI) Paper-II (Electronics)	USCH502 USCH602 USCHP03 USCHP04	<ul style="list-style-type: none"> • Understand the basics of crystallography, Electrical properties of metals, Band Theory of solids, demarcation among the types of materials, Semiconductor Physics and Superconductivity. • Understand the basic concepts of Fermi

				<p>probability distribution function, Density of states, conduction in semiconductors and BCS theory of superconductivity.</p> <ul style="list-style-type: none"> • Develop quantitative problem solving skills in all the topics covered. • Understand the basics of semiconductor devices and their applications. • Understand the basic concepts of operational amplifier: its prototype and applications as instrumentation amplifier, active filters, comparators and waveform generation. • Understand the basic concepts of timing pulse generation and regulated power supplies • Understand the basic electronic circuits for universal logic building blocks and basic concepts of digital communication. • Develop quantitative problem solving skills in all the topics covered.
		Semester V Paper-III (Physics Atomic and Molecular) Semester VI (Nuclear Physics)	USCH503 USCH603 USCHP05 USCHP06	<ul style="list-style-type: none"> • Understand the application of quantum mechanics in atomic physics • Understand the importance of electron spin, symmetric and antisymmetric wave functions and vector atom model • Understand effect of magnetic field on atoms and its application • Learn Molecular physics and its applications. • This course will be useful to get an insight into spectroscopy • Understand the fundamental principles and concepts governing classical nuclear and particle physics and have a knowledge of their applications interactions of ionizing radiation with matter the key techniques for particle accelerators the physical processes involved in nuclear power generation. • Acquire knowledge on elementary particles will help students to understand the fundamental constituents of matter and lay foundation for the understanding of unsolved questions about dark matter, antimatter and other research

				oriented topics.
		Semester V Paper-IV (Electrodynamics) Semester VI Paper-IV (Special Theory of Relativity)	USCH504 USCH604 USCHP07 USCHP08	<ul style="list-style-type: none"> • Understand the laws of electrodynamics and be able to perform calculations using them. • Understand Maxwell's electrodynamics and its relation to relativity • Understand how optical laws can be derived from electromagnetic principles. • Develop quantitative problem solving skills. • Understand the significance of Michelson Morley experiment and failure of the existing theories to explain the null result • 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. • Understand the transformation equations for: Space and time, velocity, frequency, mass, momentum, force, Energy, Charge and current density, electric and magnetic fields. • Solve problems based on length contraction, time dilation, velocity addition, Doppler effect, mass energy relation and resolve paradoxes in relativity like twin paradox etc.

A. Program outcome and Program specific outcome offered by the Department

Name of the Programme specialization

: B.Sc.Zoology

Program	Program outcomes	Program specific outcomes
Under graduate B.Sc Chemistry	<ul style="list-style-type: none"> ➤ To nurture interest in the students for the subject of Zoology ➤ To create awareness of the basic and modern concepts of Zoology ➤ To empower the students with knowledge to take up entrepreneurship in the field of Economic Zoology 	<ul style="list-style-type: none"> ➤ To inculcate good laboratory practices in students and to train them about scientific handling of important instruments. ➤ To orient students and provide an insight into various advanced areas in the field of Zoology

B. Course outcomes for all the courses offered by the department

Name of the Programme: B.Sc Zoology

Sl.No	Course	Name of the course	Course code	Course objectives
1	FYBSc - Semester I	Paper-I Wonders of Animal World, Biodiversity and its Conservation	USZO101	<ul style="list-style-type: none"> ➤ To take learners through a captivating journey of hoarded wealth of marvelous animal world. ➤ To orient learners about rich heritage of Biodiversity of India and make them understand significance of its conservation. ➤ To teach learners about innovative and novel work of scientists/philosopher/entrepreneurs in the field of biological sciences.
2	FYBSc- Semester I	Paper-II Instrumentation and animal biotechnology	USZO102	<ul style="list-style-type: none"> ➤ To make learners aware of risks involved in handling of different hazardous chemicals, sensitive (electrical/electronic) instruments and infectious biological specimens especially during practical sessions in the laboratory and to train them to avoid mishap. ➤ To acquaint learners to the modern developments and concepts of Zoology highlighting their

				<p>applications aiming for the benefit of humankind.</p> <ul style="list-style-type: none"> ➤ To provide all learners a complete insight about the structure and train them with operational skills of different instruments required in Zoology
3	FYBSc-Semester II	Paper I- Ecology and Wildlife Management	USZO201	<ul style="list-style-type: none"> ➤ To facilitate the learning of population ecology, its dynamics and regulatory factors important for its sustenance ➤ To impart knowledge of different components of ecosystem and educate about essentials of coexistence of human beings with all other living organisms. ➤ To enlighten learners about the current status of wildlife conservation in India in the light of guidelines from different relevant governing agencies vis-à-vis with adversity of poaching and biopiracy.
4	FYBSc-Semester II	Paper II- Nutrition, Public health and Hygiene	USZO202	<ul style="list-style-type: none"> ➤ To make learners understand the importance of balanced diet and essential nutrients of food at different stages of life. ➤ To impart knowledge about source, quantity and need for conservation of fast depleting water resource and essential of maintaining proper sanitation, hygiene and optimizing use of electronic gadgets. ➤ To educate learners about causes, symptoms and impact of stress related disorders and infectious diseases
5	SYBSc-Semester III	Paper I Fundamental of Genetics, Chromosomes and Heredity, Nucleic acids	USZO301	<ul style="list-style-type: none"> ➤ To introduce basic terms of genetics. ➤ To develop conceptual clarity of Mendelian principles of inheritance and other forms and pattern of inheritance ➤ To familiarize the learners with the structure, types and classification of chromosomes. ➤ To introduce the concept of sex determination and its types, sex influenced and sex-limited genes. ➤ To introduce the learner to the classical experiments proving DNA as the genetic material.

				<ul style="list-style-type: none"> ➤ To introduce the learner the structure of nucleic acids and the concept of central dogma of molecular biology. ➤ To familiarize the learner with the concept of gene expression and regulation.
6	SYBSc- Semester III	Paper II Nutrition and Excretion, Respiration and Circulation, Control and Coordination of Life Processes, Locomotion and Reproduction	USZO302	<ul style="list-style-type: none"> ➤ To introduce the concepts of physiology of nutrition, excretion and osmoregulation. ➤ To expose the learner to various nutritional apparatus, excretory and osmoregulatory structures in different classes of organisms. ➤ To introduce the concepts of physiology of respiration and circulation ➤ To expose the learner to various respiratory and circulatory organs in different classes of organisms ➤ To introduce the concepts of physiology of control and coordination, locomotion and reproduction ➤ To expose the learner to various locomotory and reproductive structures in different classes of organisms.
7	SYBSc - Semester III	Elective: Ethology, Parasitology, Economic Zoology	USZOE1303	<ul style="list-style-type: none"> ➤ To equip learner with a sound knowledge of how animals interact with one another and their environment. ➤ To enable the learner to understand different behavioural patterns. ➤ To acquaint the learner with the concepts of parasitism and its relationship in the environment. ➤ To introduce the learner to modes of transmission of parasites ➤ To disseminate information on economic aspects of animals like apiculture, vermiculture and dairyscience. ➤ To encourage young learner for self-employment
8	SYBSc- Semester IV	Paper –I Origin and Evolution of Life, Population Genetics and Evolution, Scientific	USZO401	<ul style="list-style-type: none"> ➤ To impart scientific knowledge about how life originated on our planet ➤ To develop an understanding of genetic variability within a population and learn as to how the change in the gene pool leads to evolution of species ➤ To inculcate scientific temperament in

		Attitude, Methodology, Scientific Writing and Ethics in Scientific Research		the learner
9	SYBSc - Semester IV	Paper –II Cell Biology, Endomembrane System, Biomolecules	USZO402	<ul style="list-style-type: none"> ➤ To study the structural and functional organization of cell with an emphasis on nucleus, plasma membrane and cytoskeleton. ➤ To acquaint the learner with ultrastructure of cell organelles and their functions ➤ To give learner insight into the structure of biomolecules and their role in sustenance of life.
10	SYBSc - Semester IV	Elective: Comparative Embryology, Aspects of Human Reproduction, Pollution and its effect on organisms	USZOE1403	<ul style="list-style-type: none"> ➤ To acquaint the learner with key concepts of embryology ➤ To acquaint the learners with different aspects of human reproduction. ➤ To make them aware of the causes of infertility, techniques to overcome infertility and the concept of birth control ➤ To provide a panoramic view of impact of human activities leading to pollution and its implications
11	TYBSc - Semester V	Paper –I Taxonomy - Invertebrates and Type Study	USZO501	<ul style="list-style-type: none"> ➤ To introduce the principles of taxonomy and modern system of classification in animal kingdom with the evolution point of view. ➤ To comprehend the general characters and classification of Kingdom Animalia from Poriferata to Nematoda and specific characters of organisms belonging to these phyla. ➤ To introduce basic concepts of classification up to class in animal kingdom from phylum Annelidata to Hemichordata and to familiarize with their characters. ➤ To acquaint learners with the details of Sepia as a representative of invertebrate animals.
12	TYBSc - Semester V	Paper –I Haematology and Immunology	USZO502	<ul style="list-style-type: none"> ➤ To introduce to the learner the composition of blood, haemorrhage and haematopoiesis. ➤ To acquaint the learner with the physiology of blood clotting and clinical aspects of

				<p>haematology</p> <ul style="list-style-type: none"> ➤ To introduce to the learner the basics of applied haematology and to impart knowledge of diagnostic techniques used in pathology. ➤ To introduce the topic of immunology by emphasizing the basic concepts to build a strong foundation and to give an overview of the immune system that plays an important role in disease resistance. ➤ To introduce immunopathology to the learner ➤ To introduce the concept of vaccines and vaccination. ➤ To familiarise the learner to immunological perspectives of organ transplantation.
13	TYBSc-Semester VI	Paper –I Taxonomy - Chordates and Type Study	USZO601	<ul style="list-style-type: none"> ➤ To introduce basic concepts of modern Chordate classification with the evolution point of view and to understand the concept of taxonomy in higher animal kingdom. ➤ To describe general features and classify the vertebrates – fishes and amphibians ➤ To introduce the learner to the distinguishing characters of classes Reptilia, Aves and Mammalia and their adaptive features with reference to their habitat. ➤ To study in depth one vertebrate animal type i.e. general characteristics and salient features of animal type-shark
14	TYBSc-Semester VI	Paper –II Physiology and Tissue Culture	USZO602	<ul style="list-style-type: none"> ➤ To introduce to the learner the fundamental concepts of enzyme biochemistry and to enable the learner realize applications of enzymes in basic and applied sciences. ➤ To introduce to the learner the concept of homeostasis- thermoregulation and osmoregulation ➤ To introduce to the learner the details of endocrine glands and its disorders. ➤ To introduce to the learner the fundamental concepts of tissue culture and guide them progressively to certain areas of animal tissue culture

A. Program outcome and Program specific outcomes offered by the Department

Name of the Programme : B.Com

Program	Program outcomes	Program specific outcomes
Undergraduate B.Com	<p>1.Learners will be able to gain knowledge about Business, Commerce , Management and functional areas of Management like Finance, Marketing and Human Resource Management</p> <p>2. Learners will be able to understand how businesses function and what are the essential elements of competitiveness for a business</p> <p>3. Learners will be able to also understand the recent trends and their dynamics in various areas of Business .</p>	<p>1.Students will gain understanding of fundamental concepts in Business, Commerce, Management, Marketing, Finance and Human Resource.</p> <p>2.Understand the applications of these concepts in Business and decide career paths for themselves in the field of IT enabled services, advertising, retailing,Export Marketing, Marketing Research,HR etc.</p> <p>3. Students will develop the knowledge, skills and attitude related to general functioning of the business.</p>

**B. Program outcome and Program specific outcomes offered by the
Department**

Name of the Programme : M.Com

Program	Program outcomes	Program specific outcomes
Postgraduate M.Com	<ol style="list-style-type: none">1. Learners will be able to gain knowledge about Accounting and Finance.2. Learners will be able to understand how accounting system function and what are the essential elements of competitiveness for business accounting.3. Learners will be able to also understand the recent trends and their dynamics in various areas of Business accounting.	<ol style="list-style-type: none">1. Students will gain understanding of business economics, ethics and corporate governance, cost and management accountings.2. Understand the applications of these concepts in Business and decide career paths for themselves in the field of Management Accounting, Business Economics, Strategic Management, Business Ethics and Corporate Governance etc.3. Students will develop the knowledge, skills and attitude related to general functioning of the business.

NAME OF THE DEPARTMENT: BMS

ACADEMIC YEAR : 2018 - 2019

Name of the Programme	Programme Outcome	Program Specific Outcome
	Students will be able to	Students will be able to have
UG (BMS) : BACHELOR OF MANAGEMENT STUDIES	<ul style="list-style-type: none">• To give an insight into business and modern management practices.	<ul style="list-style-type: none">• Acquire knowledge about management practices which facilitate them to become effective professionals.
	<ul style="list-style-type: none">• To help students apply the concepts of statistics and research methodology in management.	<ul style="list-style-type: none">• Be capable to pursue higher studies in diverse fields of management such as media studies, business administration, human resource management and financial management.
	<ul style="list-style-type: none">• To help students develop competency and skills to make learners employable.	<ul style="list-style-type: none">• Be adequately trained to be entrepreneurs and communicate effectively.
	<ul style="list-style-type: none">• To develop professional knowledge and skills in the field of Accountancy, Marketing, Human Resource Management and Financial Management	<ul style="list-style-type: none">• Develop a positive attitude towards lifelong learning and research.
	<ul style="list-style-type: none">• To sensitize students towards the challenges in the global market.	<ul style="list-style-type: none">• Acquire the required skills to develop business models and be responsible global citizens with crosscultural competent behaviourand ethical values.

B1. Course Outcomes of all courses offered by the Department**Name of the course : B.M.S**

Sr. No.	Name of The Course	Course Code	Course Outcomes (After completing this course, the students will be able to)
FYBMS			
Semester - I			
1	Core 1: Introduction to Financial Accounts	UBMSFSI.1	<ul style="list-style-type: none">• It helps in understanding Accounting Standards.• It provides assistance to students by providing information related to objective of accounting.
2	Core 2: : Business Law	UBMSFSI.2	<ul style="list-style-type: none">• It provides information related to Company Law and Intellectual Property Rights.
3	Core 3: Business Statistics	UBMSFSI.3	<ul style="list-style-type: none">• It helps to understand data and its types which will helps students for research.• It provides importance and scope of business statistics in actual day to day business
4	Business Communication – I	UBMSFSI.4	<ul style="list-style-type: none">• It focuses on types of communication required by students for business.• It also focuses on obstacles to Communication in Business World
5	Foundation Course - I	UBMSFSI.5	<ul style="list-style-type: none">• It helps to understand the multi-cultural diversity of Indian society through its demographic composition.• It provides information on party system in Indian politics and Local self-government in urban and rural areas
6	Foundation of Human Skills	UBMSFSI.6	<ul style="list-style-type: none">• It helps the student to understand behavior , personality traits, thinking skills and other qualities required by the businessmen and associated theory.
7	Business Economics - I	UBMSFSI.7	<ul style="list-style-type: none">• It focuses on Micro Economics.• It provides relationship between elasticity of demand and revenue concepts
Semester - II			
1	Principles of Marketing	UBMSFSII.1	<ul style="list-style-type: none">• It helps to understand Marketing in detail with definition, features, advantages and scope of marketing.• It explains marketing mix and it four important elements which are required in the business.
2	Industrial Law	UBMSFSII.2	<ul style="list-style-type: none">• It provides information related to Industrial Disputes Act, 1947, The Trade Union Act, 1926 and The Factory Act 1948

3	Business Mathematics	UBMSFSII.3	<ul style="list-style-type: none"> It helps students to understand Elementary Financial Mathematics which is useful for business transaction. Input Output Analysis helps to identify the input output ration.
4	Business Communication – II	UBMSFSII.4	<ul style="list-style-type: none"> It enhances the presentation skills and group communication skills. The subject prepares the student for interview. It enhances the letter writing and report writing skills.
5	Foundation Course - II	UBMSFSII.5	<ul style="list-style-type: none"> It focus on understanding the concepts of liberalization, privatization and globalization and its requirement in the economy. It focuses on importance of Environment Studies in the current developmental context.
6	Business Environment	UBMSFSII.6	<ul style="list-style-type: none"> It explains the meaning, scope and significance of business environment with techniques like SWOT and PESTLE. It explains the challenges faced by International Business and Investment Opportunities for Indian Industry.
7	Principles of Management	UBMSFSII.7	<ul style="list-style-type: none"> It enhances the management skills of the students when they understand the significance and scope of PODSCORB. Management theory helps to explain the need of management skills in the organization.
SYBMS			
Semester - III			
1	Elective I : Consumer Behaviour	UBMSFSIII.7	<p>1 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</p> <p>2 This course is meant to equip undergraduate students with basic knowledge about issues and dimensions of Consumer Behaviour.</p>
2	Elective I : Recruitment & Selection	UBMSFSIII.9	<p>1 The objective is to familiarize the students with concepts and principles, procedure of Recruitment and Selection in an organization.</p> <p>2 To give an in depth insight into various aspects of Human Resource management and make them acquainted with practical aspect of the subject.</p>

3	Elective II : Advertising	UBMSFSIII.8	<p>1 To understand and examine the growing importance of advertising</p> <p>2 To understand the construction of an effective advertisement</p> <p>3 To understand the role of advertising in contemporary scenario</p> <p>4 To understand the future and career in advertising</p>
4	Elective II : Organisation Behaviour & HRM	UBMSFSIII.10	<p>1. The objective of this course is to familiarize the student with the fundamental aspects of Various issues associated with Human Resource Management as a whole.</p> <p>2 The course aims to give a comprehensive overview of Organization Behaviour as a separate area of management.</p> <p>3 To introduce the basic concepts, functions and processes & create an awareness of the role, functions and functioning of Human Resource Management & OB.</p>
5	Core I : Information Technology in Business Management - I	UBMSFSIII.1	<p>1 To learn basic concepts of Information Technology, its support and role in Management, for managers</p> <p>2 Module II comprises of practical hands on training required for office automation. It is expected to have practical sessions of latest MS-Office software</p>
6	Core II : Foundation Course – III	UBMSFSIII.2	<p>1. To understand significance of ethics and ethical practices in businesses which are indispensable for progress of a country</p> <p>2 To learn the applicability of ethics in functional areas like marketing, finance and human resource management</p> <p>3 To understand the emerging need and growing importance of good governance and CSR by organizations</p> <p>4 To study the ethical business practices, CSR and Corporate Governance practiced by various organisations</p>
7	Core III : Business Planning & Entrepreneurial Management	UBMSFSIII.3	<p>1. Entrepreneurship is one of the major focus areas of the discipline of Management. This course introduces Entrepreneurship to budding managers</p> <p>2. To develop entrepreneurs & to prepare students to take the responsibility of full line of management function of a company with special reference to SME sector.</p>

8	Core IV : Accounting for Managerial Decisions	UBMSFSIII.4	<p>1 To acquaint management learners with basic accounting fundamentals.</p> <p>2 To develop financial analysis skills among learners.</p> <p>3 The course aims at explaining the core concepts of business finance and its importance in managing a business</p>
9	Core V : Strategic Management	UBMSFSIII.5	<p>The objective of this course is to learn the management policies and strategies at every Level to develop conceptual skills in this area as well as their application in the corporate world.</p> <p>2 The focus is to critically examine the management of the entire enterprise from the Top Management view points.</p> <p>3 This course deals with corporate level Policy & Strategy formulation areas. This course aims to developing conceptual skills in this area as well as their application in the corporate world.</p>
Semester - IV			
1	Elective I : Integrated Marketing Communication	UBMSFSIV.7	<p>To equip the students with knowledge about the nature, purpose and complex construction in the planning and execution of an effective Integrated Marketing Communication (IMC) program.</p> <p>2 To understand the various tools of IMC and the importance of co-ordinating them for an effective marketing communication program.</p>
2	Elective I : Training & Development in HRM	UBMSFSIV.9	<p>This paper is not pure academic oriented but practice based. It has been designed, keeping in view the needs of the organizations.</p> <p>Successful managerial performance depends on the individual's ability to observe, interpret the issues and modify his approach and behaviour.</p> <p>All organizations need to pay adequate attention to equip their employees.</p>

3	Elective II : Rural Marketing	UBMSFSIV.8	The objective of this course is to explore the students to the Agriculture and Rural Marketing environment so that they can understand consumer's and marketing characteristics of the same for understanding and contributing to the emerging challenges in the upcoming global economic scenario.
4	Elective II : Change Management	UBMSFSIV.10	The objective of this paper is to prepare students as organizational change facilitators using the knowledge and techniques of behavioural science.
5	Core I : Information Technology in Business Management - II	UBMSFSIV.5	<p>1 To understand managerial decision-making and to develop perceptive of major functional area of MIS</p> <p>2 To provide conceptual study of Enterprise Resource Planning, Supply Chain Management, Customer Relationship Management, Key issues in implementation. This module provides understanding about emerging MIS technologies like ERP, CRM, SCM and trends in enterprise applications.</p> <p>3 To learn and understand relationship between database management and data warehouse approaches , the requirements and applications of data warehouse</p> <p>4 To learn outsourcing concepts. BPO/KPO industries, their structures , Cloud computing</p>
6	Core II : Foundation Course – IV	UBMSFSIV.2	<p>To understand significance of ethics and ethical practices in businesses which are indispensable for progress of a country</p> <p>2 To learn the applicability of ethics in functional areas like marketing, finance and human resource management</p> <p>3 To understand the emerging need and growing importance of good governance and CSR by organisations</p> <p>4 To study the ethical business practices, CSR and Corporate Governance practiced by various organisations</p>
7	Core III : Business Economics-II	UBMSFSIV.3	<p>The subject is covering the major aspects of macro economics and international theories .</p> <p>It helps students to understand the basic topics like inflation, monetary policy, Balance of Payment and foreign investment.</p>

8	Core IV : Business Research Methods	UBMSFSIV.4	The course is designed to inculcate the analytical abilities and research skills among the students 2 The course intends to give hands on experience and learning in Business Research.
9	Core V : Production & Total Quality Management	UBMSFSIV.5	To acquaint learners with the basic management decisions with respect to production and quality management 2 To make the learners understand the designing aspect of production systems 3 To enable the learners apply what they have learnt theoretically.
Semester - V			
1	Core I : Logistics and Supply Chain Management	UBMSFSV.1	1 To provide students with basic understanding of concepts of logistics and supply chain management 2 To introduce students to the key activities performed by the logistics function 3 To provide an insight in to the nature of supply chain, its functions and supply chain systems 4 To understand global trends in logistics and supply chain management
2	Core II : Corporate Communication and Public Relations	UBMSFSV.2	1 To provide the students with basic understanding of the concepts of corporate communication and public relations 2 To introduce the various elements of corporate communication and consider their roles in managing organizations 3 To examine how various elements of corporate communication must be coordinated to communicate effectively 4 To develop critical understanding of the different practices associated with corporate communication
	Core III : Project Work	UBMSFSV.3	
3	Electives I : Service Marketing	UBMSFSV.8	<ol style="list-style-type: none"> 1. To understand distinctive features of services and key elements in services marketing 2. 2 To provide insight into ways to improve service quality and productivity 3. 3 To understand marketing of different services in Indian context

4	Electives I : E-Commerce and Digital Marketing	UBMSFSV.9	<p>1 To understand increasing significance of E-Commerce and its applications in Business and Various Sectors</p> <p>2 To provide an insight on Digital Marketing activities on various Social Media platforms and its emerging significance in Business</p> <p>3 To understand Latest Trends and Practices in E-Commerce and Digital Marketing, along with its Challenges and Opportunities for an Organisation</p>
5	Electives I : Sales and Distribution Management	UBMSFSV.10	<p>1. To develop understanding of the sales & distribution processes in organizations</p> <p>2. 2 To get familiarized with concepts, approaches and the practical aspects of the key decision making variables in sales management and distribution channel management</p>
6	Electives I : Customer Relationship Management	UBMSFSV.11	<p>1 To understand concept of Customer Relationship Management (CRM) and implementation of Customer Relationship Management</p> <p>2 To provide insight into CRM marketing initiatives, customer service and designing CRM strategy</p> <p>3 To understand new trends in CRM, challenges and opportunities for organizations</p>
7	Electives II : Finance for HR Professionals and Compensation Management	UBMSFSV.12	<p>1 To orient HR professionals with financial concepts to enable them to make prudent HR decisions</p> <p>2 To understand the various compensation plans</p> <p>3 To study the issues related to compensation management and understand the legal framework of compensation management</p>

8	Electives II : Strategic Human Resource Management and HR Policies	UBMSFSV.13	<p>1 To understand human resource management from a strategic perspective</p> <p>2 To link the HRM functions to corporate strategies in order to understand HR as a strategic resource</p> <p>3 To understand the relationship between strategic human resource management and organizational performance</p> <p>4 To apply the theories and concepts relevant to strategic human resource management in contemporary organizations</p> <p>5 To understand the purpose and process of developing Human Resource Policies</p>
9	Electives II : Performance Management and Career Planning	UBMSFSV.14	<p>1. To understand the concept of performance management in organizations</p> <p>2. To review performance appraisal systems</p> <p>3. To understand the significance of career planning and practices</p>
10	Electives II : Talent and Competency Management	UBMSFSV.15	<p>1 To understand the concept of performance management in organizations</p> <p>2 To review performance appraisal systems</p> <p>3 To understand the significance of career planning and practices</p>
Semester - VI			
1	Core I : Operation Research	UBMSFSVI.1	<p>1 To help students to understand operations research methodologies</p> <p>2 To help students to solve various problems practically</p> <p>3 To make students proficient in case analysis and interpretation</p>
2	Electives I : Brand Management	UBMSFSVI.6	<p>1 To understand the meaning and significance of Brand Management</p> <p>2 To Know how to build, sustain and grow brands</p> <p>3 To know the various sources of brand equity</p>

3	Electives I : Retail Management	UBMSFSVI.7	<p>1 To familiarize the students with retail management concepts and operations</p> <p>2 To provide understanding of retail management and types of retailers</p> <p>3 To develop an understanding of retail management terminology including merchandize management, store management and retail strategy.</p> <p>4 To acquaint the students with legal and ethical aspects of retail management</p> <p>5 To create awareness about emerging trends in retail management</p>
4	Electives I : International Marketing	UBMSFSVI.8	<p>1 To understand International Marketing, its Advantages and Challenges.</p> <p>2 To provide an insight on the dynamics of International Marketing Environment.</p> <p>3 To understand the relevance of International Marketing Mix decisions and recent developments in Global Market</p>
5	Electives I : Media Planning and Management	UBMSFSVI.9	<p>To understand Media Planning, Strategy and Management with reference to current business scenario.</p> <p>2 To know the basic characteristics of all media to ensure most effective use of advertising budget.</p> <p>3 To provide an insight on Media Planning, Budgeting, Scheduling and Evaluating the Different Media Buys.</p>
6	Electives II : HRM in Global Perspective Management	UBMSFSVI.10	<p>1 To introduce the students to the study and practice of IHRM</p> <p>2 To understand the concepts, theoretical framework and issues of HRM in Global Perspective</p> <p>3 To get insights of the concepts of Expatriates and Repatriates</p> <p>4 To find out the impact of cross culture on Human Resource Management</p> <p>5 To provide information about Global Workforce Management</p> <p>6 To study International HRM Trends and Challenges</p>

7	Electives II : Organizational Development	UBMSFSVI.11	<p>1 To understand the concept of Organisational Development and its Relevance in the organisation</p> <p>2 To Study the Issues and Challenges of OD while undergoing Changes</p> <p>3 To get an Understanding of Phases of OD Programme</p> <p>4 To Study the OD Intervention to meet the Challenges faced in the Organisation</p> <p>5 To get an Insight into Ethical Issues in OD</p>
8	Electives II : HRM In Service Sector Management	UBMSFSVI.12	<p>To understand the concept and growing importance of HRM in service sector</p> <p>2 To understand how to manage human resources in service sector</p> <p>3.To understand the significance of human element in creating customer satisfaction through service quality</p> <p>4.To understand the Issues and Challenges of HR in various service sectors</p>
9	Electives II : Indian Ethos in Management	UBMSFSVI.13	<p>1 To understand the concept of Indian Ethos in Management</p> <p>2 To link the Traditional Management System to Modern Management System</p> <p>3 To understand the Techniques of Stress Management</p> <p>4 To understand the Evolution of Learning Systems in India</p>
10	Project Work	UBMSFSIV.14	<ul style="list-style-type: none"> To inculcate the element of research analysis and scientific temperament among learners. To Create awareness among learners regarding methodology of formulation and preparation of the project work.

NAME OF THE DEPARTMENT: B.Com (Accounts and Finance)

ACADEMIC YEAR : 2018 - 2019

Name of the Programme	Programme Outcome	Program Specific Outcome
	Students will be able to	Students will be able to have
UG (BAF) : BACHELOR OF COMMERCE – ACCOUNTING & FINANCE	<ul style="list-style-type: none"> To develop fundamental knowledge about the fields of finance, accountancy, audit, taxation, law, technology and innovative practices by adopting learner centric pedagogy. 	<ul style="list-style-type: none"> Have fundamental knowledge of finance, accountancy, audit, taxation, law, technology and innovative practices.
	<ul style="list-style-type: none"> To motivate students to pursue higher studies such as chartered accountancy, cost accountancy, Bachelor of Accounts & Finance (B.A.F) (Programme) chartered financial analyst, Business administration and company Secretaryship. 	<ul style="list-style-type: none"> Communicate effectively with all stake holders.
	<ul style="list-style-type: none"> To nurture students' ability to work as consultants. 	<ul style="list-style-type: none"> Work at both individual and team level.
	<ul style="list-style-type: none"> To arouse students' interest in research. 	

B1. Course Outcomes of all courses offered by the Department

Name of the course : B.Com (Accounts and Finance)

Sr. No.	Name of The Course	Course Code	Course Outcomes (After completing this course, the students will be able to)
FYBAF			
Semester - I			

1	Foundation Course	UA&FFSI.7	<p>At the end of this course students should be able to:</p> <p>Understood the demographic composition of India having regard to Language, Religion, and Gender etc.</p> <p>Understood stratified reasons as to differences and women problems.</p> <p>Understood the fundamental duties of Indian citizen specified in Indian Constitution.</p> <p>Understood hierarchy of local self-government and amendment to the same.</p>
2	Business Communication I	UA&FFSI.6	<p>At the end of this course students should be able to:</p> <p>Getting helpful for knowledge about what is communication, types of communication, channel and modes of communication.</p> <p>helpful for getting knowledge about how to overcome the barrier and how to improve our listings skills.</p> <p>Getting knowledge about what is ethics and how and for what it should be followed.</p> <p>Learn much more about parts, structure of letter, principal of letter writing and how to write d variety of personal letters.</p> <p>Learn about developing ideas of about letter writing and paragraph writing.</p>
3	Business Economics I	UA&FFSI.3	<p>At the end of this course students should be able to:</p> <p>Expose students of Commerce to basic Micro Economics Concepts and inculcate in analytical approach to the subject matter.</p> <p>Stimulate the students' interest by showing the relievable and use of various economic theories and functions.</p> <p>Apply economic reasoning to problems of business.</p>

4	Business Environment	UA&FFSI.5	<p>At the end of this course students should be able to:</p> <p>Understand the concept of business environment and various tools of environmental analysis.</p> <p>Aware of business ethics.</p> <p>Aware of various consumer laws in India.</p> <p>Identify the factors of international business environment.</p> <p>Understand positive and negative impact of environment on business.</p> <p>Understand ethical issues in business, ethical dilemmas, procedure for registration under MSMED Act, 2006, and also the provisions related to consumer protection Act.</p> <p>Know CSR, Corporate Governance, and carbon credit and implementation of CSR activities by various companies.</p> <p>Know MNCs and TNCs. Implications of WTO and FDI for Indian Industries.</p>
5	Cost Accounting I	UA&FFSI.2	<p>At the end of this course students should be able to:</p> <p>Understand the concepts of costing and accounting procedures.</p> <p>Study practical adjustments in production with elements of cost</p> <p>Study practical approach towards cost structure of labours.</p> <p>Understanding formulas for calculation of cost of labours.</p> <p>Study practical approach towards overheads in production</p> <p>Study per overhead cost and apportionment of elements used in production.</p>
6	Financial Accounting I	UA&FFSI.1	<p>At the end of this course students should be able to:</p> <p>Solve practical problems regarding Inventory Valuation by FIFO and Weighted Average Method.</p> <p>Classify in considering features of various transactions and able to apply structure of Final Accounts in proper manner.</p> <p>Accounting of Departmental Stores.</p> <p>Understood application of Hire purchase transactions in real life as regular transaction in the society.</p>
7	Financial Management	UA&FFSI.4	<p>At the end of this course students should be able to:</p> <p>Understand the concept of financial management.</p> <p>Understand different concept of valuation.</p> <p>Calculate various leverages on their own.</p> <p>Easily identify various sources of finance.</p> <p>Calculate cost of capital of the various firms.</p>
Semester - II			
1	Foundation Course	UA&FFSI.3	<p>At the end of this course students should be able to:</p> <p>Understand New industrial policy 1992 with its economic</p>

			<p>reform.</p> <p>Understand fundamental rights stated in constitution.</p> <p>Understood importance of environment protection in the current era.</p> <p>Understood significance of aggression, violence and the need to control in life.</p> <p>Understood conflict resolution technique and peace and harmony in society.</p>
2	Auditing I	UA&FFSII.2	<p>At the end of this course students should be able to:</p> <p>Understand the concept of auditing, errors and frauds, principles of audit and types of audit.</p> <p>Plan audit program and, maintain working papers and audit note book.</p> <p>Understand techniques of auditing.</p> <p>Understand concept of internal audit.</p>
3	Financial Accounting II	UA&FFSII.1	<p>At the end of this course students should be able to:</p> <p>Understand difference in between single entry system and double entry system and practically able to linking up, to prepare final accounts from incomplete record.</p> <p>Learn application of Branch Accounting for small branches by Debtor system and for big branches by stock and debtors system.</p> <p>Understand transactions between Principal/ Manufacture and agent, able to apply consignment accounting regarding these transactions.</p> <p>Know basic principles of insurance and able to calculate fire insurance claim regarding goods lost by fire</p>
4	Business Mathematics	UA&FFSII.6	<p>At the end of this course students should be able to:</p> <p>Demonstrate an understanding of the foundations and history of mathematics.</p> <p>Perform computations in higher mathematics.</p> <p>Read and understand middle-level proofs.</p> <p>Write and understand basic of Profit and loss, interest and annuity concepts.</p> <p>Develop and maintain problem-solving skills.</p> <p>Able to solve the problems based on ratio, proportion and percentage. students able to understand the practical aspects of shares and mutual fund.</p>

5	Innovative Financial Services	UA&FFSII.4	At the end of this course students should be able to know the scenario of the financial service sector in India. The various services offered, the procedures, criteria, eligibility, need of availing such services. The students would also understand the issue management & securitization process, the background of the stock market operations. The Syllabus also provides a good understanding of Credit Rating Agencies & consumer finance.
6	Business Law - I	UA&FFSII.5	At the end of this course students should be able to: Understand legality behind of making contract. Understand legality behind of making contract of sale and agreement to sale. Understand legality behind of negotiable instruments of promissory notes, bills of exchange, cheque. Understand legality and rights of consumers.
7	Business Communication	UA&FFSII.7	At the end of this course students should be able to: Deal with nerves and think more positively about public speaking. Consider ways of grabbing the listener's attention, holding their interest, and concluding strongly. Use body language and tone of voice to enhance their presentations. Use slides and visual aids effectively. Students will develop knowledge, skills, and judgment around human communication through practicing business letters that facilitate their ability to work collaboratively with others.

SYBAF

Semester - III

1	Financial Market Operation	UA&FFSIII.5	At the end of this course students should be able to: Get proper guidance about investment, difference about banking and non-banking financial services, and inflation. Understand knowledge regarding Sensex, IPO shares, methods of raising finance by company through various financial instruments. Understand classification of financial instruments, derivatives. Get helpful knowledge about consumer finance, plastic money, features of financial services, underwriter.
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2	Business Economics II	UA&FFSIII.4	<p>At the end of this course students should be able to:</p> <p>Understand the concept of Macroeconomics and various circular flows of income.</p> <p>Understand various concepts in money, prices and inflation.</p> <p>Aware of public finance in depth.</p> <p>Understand various sourced of public revenue and expenditure.</p> <p>An appreciation of the ethical issues in economics competition.</p>
3	Cost Accounting II	UA&FFSIII.2	<p>At the end of this course students should be able to:</p> <p>Solve cost sheet problems and acquired skill of application of cost sheet. One of the important techniques to determine prices.</p> <p>Find reasons of distinction between financial accounting and cost accounting and to solve practical problems.</p> <p>Apply calculation of pricing of large size contract by contract costing and to solve practical problems.</p> <p>Apply technique of determination of price at the time of running manufacturing process by process costing in practical manner.</p>
4	Direct Taxation	UA&FFSIII.3	<p>At the end of this course students would have a firm grip on the legal as well as the practical aspects of the subjects. Develop knowledge of various sections under Direct taxes. The students will be able to compute income from salary, deductions at various sources. Learn about capital gains, tax rates under partnership firm & Individual. The various methods & procedures of tax planning & ethics in taxation will also be learnt.</p>
5	Financial Accounting III	UA&FFSIII.1	<p>To learn structure of Final Accounts of Partnership Firms with Admission, Retirement, Death of partner.</p> <p>To learn actual implementation of dissolution of partnership firm with the technique of Piecemeal Distribution of Cash.</p> <p>To learn procedure of Amalgamation of partnership firm and conversion of partnership firm into joint stock company.</p> <p>To learn inter settlement of various transactions during the conversion of partnership firm into Joint Stock Co.</p> <p>To learn transactions and procedure of foreign currency translation in to Indian Rupees.</p>

6	Business Law	UA&FFSIII.6	<p>At the end of this course students should be able to:</p> <p>Understand an insight of various beneficial social legislative measures.</p> <p>Understand rights and liabilities of partners, Outsiders.</p> <p>Incorporation and dissolution of partnership firm.</p> <p>Understand nature of LLP, merits of LLP and process of winding up of LLP</p> <p>Understand provisions of Health safety and welfare measures for workers and its inspection.</p> <p>Demonstrate an understanding of the Legal environment of business.</p> <p>Apply basic legal knowledge to business transactions.</p> <p>Communicate effectively using standard business and legal terminology.</p>
7	Information Technology I	UA&FFSIII.7	<p>At the end of this course students should be able to:</p> <p>Learn different parts of hardware and different types of software</p> <p>Learn and execute different commands of Ms word, Ms Excel and Ms PowerPoint</p> <p>Learn Downloading information, creating e-mail ID and sending, receiving emails.</p> <p>Learn legal issues of internet, importance of electronic data interchange and e-commerce.</p>
Semester - IV			

1	Management	UA&FFSIV.4	<p>At the end of this course students should be able to:</p> <p>Discuss and communicate the management evolution and how it will affect future managers.</p> <p>Observe and evaluate the influence of historical forces on the current practice of management.</p> <p>Identify and evaluate social responsibility and ethical issues involved in business situations and logically articulate own position on such issues.</p> <p>Explain how organizations adapt to an uncertain environment and identify techniques managers use to influence and control the internal environment.</p> <p>Practice the process of management's four functions: planning, organizing, leading, and controlling.</p> <p>Identify and properly use vocabularies within the field of management to articulate one's own position on a specific management issue and communicate effectively with varied audiences.</p> <p>Evaluate leadership styles to anticipate the consequences of each leadership style.</p> <p>Gather and analyse both qualitative and quantitative information to isolate issues and formulate best control methods.</p>
2	Research Methodology		<p>At the end of this course students should be able to:</p> <p>Learn about sources, types of data, recognition of sources of Datta collection.</p> <p>Learn about how to design the research and types of hypothesis.</p> <p>Getting knowledge about the types of data classification of data collection, how to process the data, and learnt about the how to calculate the mean, median, mode,</p> <p>Learn about the how to write report, interpretation and submission of data/ project.</p>

3	Financial Accounting	UA&FFSIV.1	<p>At the end of this course students should be able to:</p> <p>Apply to formats of Company Final Accounts as per Indian Company's Act, 2013 in practical manner with notes to accounts.</p> <p>Understand provisions regarding redemption of preference shares as per Company's Act, 2013 and applying practically to solve practical problems.</p> <p>Understand various types of redemption of debentures and preference share also they are able to understand provisions regarding redemption of debentures.</p> <p>Apply conversion of foreign currency into Indian currency when, to solve practical problems about foreign branches.</p> <p>Classify appropriate basis for allocation regarding Profit Prior to Incorporation and applying when, to solve practical problem.</p>
4	Management Accounting	UA&FFSIV.2	<p>At the end of this course students should be able to:</p> <p>Understand the concept of management accounting.</p> <p>Analyses and interpret financial statements.</p> <p>Calculate various ratios from the financial statements.</p> <p>Do cash flow analysis.</p> <p>Manage working capital requirement estimations of the firm.</p>
5	Business Law - III	UA&FFSIV.5	<p>At the end of this course students should be able to:</p> <p>Students have understood various definitions that are required to learn provision of company Act 2013.</p> <p>Students have understood process of incorporation of company and its importance.</p> <p>Students have understood the ways to raise capital in primary market by public companies and private company.</p> <p>Students have understood types of prospectus and it's need to issue in different situation.</p>
6	Information Technology - II	UA&FFSIV.6	<p>At the end of this course students should be able to:</p> <p>Learn need and importance of business process, business process management in IT, BPM life cycle</p> <p>Learn practical knowledge of Tally software</p> <p>Learn importance and applications of information system in management, role of computer in MIS</p> <p>Learn different IT auditing techniques</p>

TYBAF

Semester - V

1	Management Application		<p>At the end of this course students should be able to:</p> <p>Acquired analytical skills in solving marketing related problems and challenges and be familiar with the strategic marketing management process.</p> <p>Exposed to the development, evaluation, and implementation of marketing management in a variety of business environments.</p> <p>Understand the development, implementation, and evaluation of employee recruitment, selection, and retention plans and processes.</p> <p>Learn administer and contribute to the design and evaluation of the performance management program.</p> <p>Acquired skill to develop, implement, and evaluate employee orientation, training, and development programs.</p> <p>Perform analytical reviews of financial results, proposals, and plans.</p>
2	Financial Management		<p>At the end of this course students should be able to:</p> <p>understand the concept of capital budgeting, recivable management, mutual fund and bond valuation and their practical implication in the real life. Understand the concept of net present value and how to calculate payback period of a projects.</p>
3	Cost Accounting	UA&FFSV.2	<p>At the end of this course students should be able to:</p> <p>Understand of concepts of costing and accounting procedures.</p> <p>Know ratios which are used in company's</p> <p>Get Knowledge about comparison of cost integrated and non integrated costing system</p> <p>Study practical activities in production with two systems</p> <p>Study practical approach towards in service costing</p> <p>Study practical approach towards process in production</p> <p>Study per unit cost and apportion of elements used in process</p> <p>Study practical calculations of cost with reference to activity</p> <p>Differentiate cost between traditional and ABC approach.</p>
4	Indirect Taxation	UA&FFSV.5	<p>At the end of this course students should be able to: The practical aspect of GST, how it is calculated and rate of GST indelta. Students able to calculate GST on their transactions. They able to understand various concept of GST.</p>

5	Fiancial Accounting - V	UA&FFSV.1	At the end of this course students should be able to: Calculate purchase consideration by various method of calculation and solving practical problem after considering procedure of amalgamation. Solve practical problems after considering adverse situation of the company and provisions regarding internal reconstruction. Prepare statement of underwriter's liability. Liquidate joint to stock company as per procedure. Apply all legal provisions regarding calculation of buyback.
6	Financial Accounting - VI	UA&FFSV.3	At the end of this course students should be able to: Apply format of final accounts as per Banking Companies Act, 1949 in practical manner. Verify financial position of Bank by various angle. Apply format of final accounts as per Insurance Companies Act, and verify actual calculation premium in practical manner. Practically apply procedure of valuation of personal investment in real, mostly investment in Share market and in Debentures / Bonds. Apply format of final accounts as per LLP Act, 2008 in practical manner.
Semester - VI			
1	Indian Economics		At the end of this course students should be able to: Understand the various aspects of Indian economy. Develop a perspective on the different problems and approaches to economic planning and development in India. Develop a perspective on the different problems and approaches to economic planning and development in India Understand the role of the Indian Economy in the global context, and how different factors have affected this process.

2	Financial Management	UA&FFSVI.6	<p>At the end of this course students should be able to:</p> <p>Describe the dimensions of performance and risk relevant to financial firms. understand the concept of business valuation, mergers and acquisition etc.</p> <p>Calculate contemporary measures of financial measures of performance and risk. understand the practical aspect of lease accounting, hirepurchase system and its accounting treatment. understand how to calculate amount of working capital.</p> <p>Describe contemporary managerial risk. Evaluate the economic environment and the impact of governmental economic policies on consumers and financial institutions.</p> <p>Describe the impact that financial innovation, advances in technology, and changes in regulations has had on the structure of the financial firms/industry.</p>
3	Cost Accounting	UA&FFSVI.2	<p>At the end of this course students should be able to:</p> <p>Prepare various types of budgets depending upon the types of activities.</p> <p>Understand the concepts of absorption costing, marginal costing, and cost volume and profit analysis.</p> <p>Take decision like make or buy, appropriate sales mix on the basis of analytical costing methods.</p> <p>Find material, labour, sales and overhead variances.</p>
4	Taxation - III	UA&FFSVI.5	<p>At the end of this course students should be able to: The practical aspect of GST, how it is calculated and rate of GST indelta. Students able to calculate GST on their transactions. They able to understand various concept of GST. They will know the Import & export procedures through the custom Act. The Students would learn the foreign trade policies and the various schemes & exemption under the same.</p>
5	Financial Accounting - VII	UA&FFSVI.4	<p>At the end of this course students should be able to:</p> <p>Prepare Final Account for Electricity Company as per Double Account System</p> <p>Prepare final accounts of Co-Operative Housing Society & Consumer Co-Operative Society.</p> <p>Get the knowledge of IFRS its Purpose & Objective of financial statement, its Frame work, its assumption, characteristics, element, recognition & measurement. understand the mutual fund and AS-13.</p>

A. II. Course outcomes for all the courses offered by the department**Name of the course: M.Sc Chemistry (Analytical Chemistry)**

Sl. No.	Course	Name of the course	Course code	Course Objectives
1	MSc (Part-I) Semester I	Physical Chemistry	PSCH 101	To understand the concept of Thermodynamics, Quantum Chemistry, Chemical Dynamics, and Electrochemistry.
		Inorganic Chemistry	PSCH 102	The students learn about Chemical Bonding, Molecular Symmetry and Group Theory, Solid state Chemistry and Nanomaterials and Materials Chemistry and Nanomaterials.
		Organic Chemistry	PSCH 103	The students learn about Thermodynamic and kinetic requirements and mechanism of a reaction, acid base reaction, Nucleophilic substitution reactions and Aromaticity, Stereochemistry, and oxidation and reduction.
		Analytical Chemistry	PSCH 104	The students learn about language and quality of analytical chemistry, lab safety, preparation of solutions numerically, optical and thermal methods etc.
		Physical Chemistry practical	PSCHP 101	The students will be skilled in handling the different types of instruments practically. e.g. to find out pka values, activity coefficient, solubility product etc.
		Inorganic Chemistry practical	PSCHP 102	The students learn to analyze the ores and alloys samples and handle different type of instruments.
		Organic Chemistry practical	PSCHP 103	The students learn to setup one step reactions and short preparation of organic compounds and check purity byTLC.
		Analytical Chemistry practical	PSCHP 104	The students learn to prepare resin column, NaCl in saline by Volhard's method.
2	MSc (Part-I) Semester II	Physical Chemistry	PSCH 201	The students learn about Chemical Thermodynamics (Real gases), Quantum Chemistry, Chemical Kinetics and Molecular Reaction Dynamics, Solid State Chemistry and Phase Equilibria etc.
		Inorganic Chemistry	PSCH 202	The students learn about Inorganic Reaction Mechanism, Organometallic Chemistry of Transition metals, Environmental Chemistry and Bioinorganic Chemistry.
		Organic Chemistry	PSCH 203	The students learn about different types of reaction mechanism and rearrangements, Introduction to Molecular Orbital Theory for Organic Chemistry, NMR spectroscopy and Mass spectrometry, NMR spectroscopy and Mass spectrometry etc.

		Analytical Chemistry	PSCH 204	The students learn about different types of Chromatography, spectroscopy, Surface Analytical Techniques, Electroanalytical Methods.
		Physical Chemistry practical	PSCHP 201	The students learn practically about phase diagram, polar plot of atomic orbitals and handling different types of instruments.
		Inorganic Chemistry practical	PSCHP 202	The students learn to prepare the different type of complex and handling of the instruments.
		Organic Chemistry practical	PSCHP 203	The students learn practically Separation of Binary mixture using micro-scale technique and identification.
		Analytical Chemistry practical	PSCHP 204	The students will be skilled in handling the different types of instruments practically. e.g. purity of washing soda pH metry, conductometer, potentiometer etc.
3	MSc (Part-II) Semester III	Quality in Analytical Chemistry	PSCHA301	Sampling in chemical and pharmaceutical industries, to learn about maintenance and calibration of instruments, to study about different type of chromatographic techniques
		Advance Instrumental Techniques	PSCHA302	To learn about principle and instrumentation of different type of spectroscopy and voltametry techniques, Advanced Electroanalytical Techniques, ESR, Miscellaneous Techniques etc.
		Bioanalytical Chemistry and Food Analysis	PSCHA303	To study about detection of abnormal levels of glucose, creatinine, uric acid in blood, protein, ketone bodies, Immunological Methods, Human Nutrition, Food Analysis, Food packaging
		Environmental and Certain Industrially Important Matrials	PSCHAEC-I 304	To study the types of environmental pollution and certain industrially materials.
		Quality in Analytical Chemistry Practical	PSCHA3P1	The students will be skilled in handling the different types of instruments
		Advance Instrumental Techniques Practical	PSCHA3P2	The students will be able to understand about the drug analysis, cholesterol in blood serum,uses of toothpaste etc.
		Bioanalytical Chemistry and Food Analysis Practical	PSCHA3P3	The students will be learning and analyzing daily uses materials like sugar in honey, lactose in milk, vit. C in lemon, alcoholic beverages etc.
		Environmental and Certain Industrially Important Matrials Practical	PSCHA3P4	The students are leaning to analyze water sample and ore samples.
4	MSc (Part-II) Semester IV	Quality in Analytical Chemistry	PSCHA401	The students are leaning the solvent extraction techniques, Extraction of herbal materials, Principle and concepts of green chemistry, Techniques of Electrophoresis etc.

	Advance Instrumental Techniques	PSCHA402	The students will be able to get clear idea in different type of spectroscopy and learnig application of instruments in industrial puepose.
	Selected Topics in Analytical Chemistry	PSCHA403	The students are leaning the Effluent Treatment of water, Solid Waste Management, analysis of plastic and polymers, and analyzing different types of ores, alloys etc.
	Research Methodology	PSCHAOOC-II 404	The students will be able to understand about methods of scientific research and writing Scientific papers, chemical safety & ethical handling of Chemicals.
	Quality in Analytical Chemistry Practical	PSCHA4P1	The students will be skilled in handling the different types of instruments.
	Advance Instrumental Techniques Practical	PSCHA4P1	The students will be able to analyze the drug, detergent and canned food etc.
	Selected Topics in Analytical Chemistry Practical	PSCHA4P1	The students will be learning and analyzing daily uses materials like calcium, irom and phosphorous in milk, aldehyde in lemon grass oil, water analysis etc.
	Project Evaluation	PSCHA4P1	Students will be skilled in problem solving, critical thinking and analytical reasoning as applied to scientific problems.Students will be able to clearly communicate the results of scientific work in oral, written and electronic formats to both scientists and the public at large.

A. Program outcome and Program specific outcome offered by the Department

Name of the Programme specialization

: M.Sc. Chemistry

Program	Program outcomes	Program specific outcomes
Post graduate M.Sc Chemistry	1. Knowledge of the concepts through theoretical understanding of the principles of chemistry. Topics like thermodynamics, kinetics, stereochemistry, quantum, symmetry fromanalytical, organic, inorganic and physical chemistry. 2. Basic understanding in the major area(s) of research and acquire basic tools needed to carry out minor research projects. 3. The abilty to implement chemistry in an integral activity of social, economic and environmental problems. 4. Skills in problem solving, critical	1. Aptitude and skills necessary to pursue research as a career. 2. Skills necessary to be employed in the various sectors like chemical, pharmaceutical, food and materials industries. 3. Competency to clear competitive examination

	thinking and analytical reasoning in designing problems in research 5. Knowledge of for safe handling of chemicals in research and applied chemical laboratory	
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Bachelor of Commerce

Course Outcomes:

First Year Bachelor of Commerce (Semester I)

On the completion of course, learner will be able to develop following outcomes:

Accounting and Financial Management I	
CO1	Students will be able to understand the Accounting standards and Policies AS1), Valuation of inventories (AS2) and Revenue Recognition (AS9)
CO2	The students would be enabled to understand the inventory systems and also calculate the valuation of stock using the FIFO and Weighted average method.
CO3	The introduction to Final Accounts would enable the students to the capital and revenue expenditure. They will be able to understand various kind of receipt like capital and revenue. They are enabled to prepare the Final Accounts of the Proprietary Firms.
CO4	Departmental accounts helps the learner to understand the basis of allocation of expense and Income/Receipt of Inter department transfer.
CO5	Enable the student to understand the concept of Hire Purchase and also will help them to carry out the accounting of a Hire purchase firm by Asset Purchase Method.
CO6	The student will be able to carry out the Journal Entries, Ledger accounts for the hirer and Vendor.
Commerce I	
CO1	The completion of this chapter would enable the tutee to understand to Concept, Function Scope and Significance of a business. It also enables the learner to understand difference between traditional and modern business.
CO2	An undergraduate can understand how to set business objective and classify the objective which would help them in their entrepreneurial journey. Also helps them to learn about the impact of Liberalisation, Privatisation and Globalisation on the new business trends.
CO3	The student will understand the concept and importance of Project Planning. The importance of Feasibility study and various types of Feasibility study are emphasised to the students.
CO4	Learner learns the concept of Business promotion unit and also acquire to knowledge the statutory requirements of the same.
CO5	Entrepreneurship an important part of business-the learner gains the knowledge of the importance and factor influencing growth of Entrepreneurship. They also acquire the knowledge of Training and Development centers for Entrepreneurship.
CO6	Learning the importance of women entrepreneurs and problems faced by women Entrepreneur and strategy to promote women Entrepreneurs.
Business Economics I	
CO1	The Learner learn and understand scope and importance of business economics such as tools, basic economic relations and concepts of revenue
CO2	Students are able to calculate, based on data, the impact of pricing decisions of individual firms on revenue and profit.
CO3	The tutee understands and learns to analyse demand function, demand estimation and demand forecasting. They also understand relationship between the elasticity of demand and revenue concepts.

CO4	Learner learns to analyse and understand supply and production function in the short run and long run production function.
CO5	Undergraduates learns to solve practical problems under cost analysis break even analysis in business applications.
Business Communication I	
CO1	Gain knowledge and proficiency of effective use of the Process of communication.
CO2	Learn the Application of Formal and informal channels of communication at the workplace.
CO3	They adapt use of verbal and non-verbal communication as well as technology in the use of communication.
CO4	Learn the ways and means of overcoming impediments in communication as well as developing listening skills.
CO5	Application of Business etiquettes, Ethics and corporate social responsibility
CO6	Drafting of Personnel letters and the art of Email and Business writing.
Environmental Studies I	
CO1	The learner acquires the knowledge of the complexities of the environment as a whole. They learn about the interaction of various components of the environment. They also understand the relation between the impact of human action on environment and vice versa.
CO2	The learner understands the types of resources, the utilisation pattern of various resources and how some exhaustible resources are getting depleted as a fast pace. Also understand the need to conserve these resources. The need to have a sustainable development.
CO3	The tutee learners about the concept of population explosion and the impact of population explosion. Students also learns about the various steps taken by the government to control population. The impact of population explosion on the environment. The concept of Human development Index and World Happiness Index is also understood by the undergraduates.
CO4	They develop a understanding of the concept of urbanisation and also the problems associated with it. Learner is explained the concept of Smart cities and sustainable cities.
CO5	Enables learners to get theoretical exposure in the environmental degradation and the change in Land use pattern.
CO6	Learn are taught skills to identify and locate various important locations on the world map and also problems associated to a particular area.
Foundation Course I	
CO1	The student learns about the multicultural society and the religious, linguist diversity of the society. This also teaches the demographic composition of the population.
CO2	Empathy and awareness is created amongst the youth about the various disparity like gender, disabilities. The problems like female foeticide and bias amongst women are explained to students so that they are sensitive to those issues.
CO3	The students understand the disparity caused due to casteism, religion, region etc., They also understand the cause and impact of these disparity.
CO4	The student also learns about the difficulties faced by people with physical disabilities and also to be companionate to them.
CO5	The learners learn about the features of the constitution. The student learns about the right and duties and also to do their duties well.
CO6	Students are able to understand working of the local self-government like municipal corporation, Z.P. Gram Panchayat etc.

Mathematical and Statistical Techniques I

CO1	Students will be able to understand concept of Shares and Mutual fund, able to determine profit, rate of interest etc. for the investment.
CO2	Understand aspect of permutation and combination and Linear programming problems.
CO3	Differentiate Measures of Central Tendencies and Measures of Dispersion.
CO4	Understand the concept of probability theory and Random variable. Analyse and evaluate probability for reasoning in real – world situations.
CO5	Evaluate decision making under different environments.
CO6	The learners would be able to analyze the data by using some elementary statistical methods.

First Year Bachelor of Commerce (Semester II)

On the completion of course, learner will be able to develop following outcomes:

Accountancy and Financial Management II

CO1	Students understand the difference between Single Entry and Double Entry System. They are able to know the applicability of Single Entry and reason to convert into Double Entry and get acquaint with conversion method
CO2	Students learn consignment transactions and its accounting treatment in the books of consignor and consignee
CO3	Understanding the methods for maintaining branch accounts and its respective accounting treatment, ascertain profit/loss made by Branch and take corrective measures against unprofitable branches
CO4	Students get familiarize with the necessity of insurance, procedure for determination of insurance claim and learn treatment of abnormal items and application of average clause, calculation of insurance claim to be lodged with the Insurance Company
CO5	Providing an in depth understanding about theoretical and practical aspects of double entry system and apply the same in preparing final accounts
CO6	Ascertain the value of claim and value of insurance policy on fire and compare the real value of stocks sales and purchase with trading and memorandum account
CO7	In depth understanding about the determination of value of debtors and stock in the event of dependent and independent branch accounts

Commerce II

CO1	Understand the concept, meaning characteristics scope and classification
CO2	Learn marketing mix for service and consumer expectations service mix product place price and promotion
CO3	Analyse the concept of organized and unorganized retailing trends
CO4	Study the store formation and non-store formations store planning and design and layout
CO5	Analyse the retail scenario and retail scenario in India and global content prospects and challengers in India
CO6	Understand the E commerce and features functions and scope of commerce and its importance and limitations of E- Commerce
CO7	Analyse the present status of E- Commerce in India

Business Economics II	
CO1	Learner are able to understand different market situations and assess the working of firms under these, in order to customise their responses to maximize their advantage, both as a consumer and a prospective entrepreneur.
CO2	Students are now capable of distinguishing between different real-life market structures (Monopolistic and Oligopolistic) and understand the pricing, output and advertising decisions of firms which would help them to become more rational consumers.
CO3	It teaches different markets and enables short run and long run equilibrium.
CO4	It enables to understand how a firm set up different price for different products.
CO5	It describes different steps in Capital budgeting.
Business Communication II	
CO1	Application of Communication skills to Learn to face Interviews and participate in Group Discussion confidently enhancing career options.
CO2	Development of skills for conducting effective meetings as also the drafting of the business messages.
CO3	Organise effective conference activities both physical and virtual as per the need of time.
CO4	Build Public Relations and handle crises in Business effectively in challenging circumstances.
CO5	Draft Business letters with proficiency thereby enabling business growth.
CO6	Learn the art of Preparing Business Reports.
Environmental Studies II	
CO1	The learner understands the various classification of waste. They learn various techniques for the management of the waste.
CO2	Understanding of the need to follow sustainable agriculture and industrial practices in India. They acquire the knowledge of harmful impact of excessive use of pesticide and fertilisers.
CO3	Understanding the tourism industry, its importance on the economy and impact on the environment. The positives and negatives of India as a tourist Hub
CO4	Understanding the various environmental movement that took place in India and the approach of people in future projects.
CO5	Get knowledge of various of various environmental legislation in India and also the process of EIA, the Environmental Management and Environmental Audit.
CO6	Students are better oriented towards Mumbai and acquire better understanding of spatial aspects of Mumbai and Konkan.
Foundation Course II	
CO1	Understanding the concepts of liberalization, privatization and globalization. Analyse the growth of information technology and communication and its impact manifested in everyday life. Analyse the impact of globalization on industry and its changes in employment and increasing migration
CO2	Develop a clear understanding about the human rights of universal Declaration of human rights and fundamental rights provided by Indian Constitution
CO3	Student would be able to understand nature of environmental problems and their duty towards protection of the environment. They also learn the importance of sustainable development.
CO4	Students would be able to understand the causes of stress, conflict, aggression and violence.
CO5	The student also learns cause of aggression and violence. They also understand stereotyping and prejudice which also causes conflict in the society.

CO6	Learners learn about ways of managing stress by methods like meditation. They also understand the Maslow's theory of motivation.
Mathematical and Statistical Techniques II	
CO1	The learner would be able to understand important concepts mathematical functions and Economic functions.
CO2	The learners would be able to analyze applications of derivatives of economic functions.
CO3	They would be able to use function of simple and compound interest, Annuity and EMI.
CO4	The student would understand method of correlation and regression analysis.
CO5	Learner would be able to identify various components of time series and apply the appropriate methods to evaluate. Comprehend the concept and construct various Index number.
CO6	Understand different discrete probability distribution and apply their properties.

Second Year Bachelor of Commerce (Semester III)

On the completion of course, learner will be able to develop following outcomes:

Accounting and Financial Management III	
CO1	Students will get the insight of Final Accounts of a partnership firm in which admission/retirement/death took place during the financial year.
CO2	The learner get knowledge ascertaining of Gross profit during admission/retirement/death took place during the financial year.
CO3	Student acquire knowledge of piecemeal distribution of cash on dissolution of cash
CO4	They understand the concept of piecemeal distribution of cash
CO5	Helps to learn the concept of Amalgamation of firms.
CO6	Gets the understanding of the concept of conversion of partnership into limited liability Company.
CO7	Learner is also enabled to realign of capitals by current account and cash,
Financial Accounting and Auditing V – Introduction to Management Accounting	
CO1	The students learn various decision-making process like trend analysis and comparative statements.
CO2	Comprehend various analysis and interpretation of accounts in vertical format for analysis
CO3	Apply the concepts and formulae of ratio analysis
CO4	They learn about working management capital like estimation and projection of working capital.
CO5	Evaluate decision making in terms of revenue
CO6	Students get introduced to the process of capital budgeting and various technique like Payback period, Accounting rate of return.
Commerce III	
CO1	Enable the students to understand Management Concept and develop managerial skills. Enable the students to understand the qualities required for managers
CO2	Give overview of various management concepts and theories in different domain of business management.
CO3	The tutee is given an understanding of planning and also steps and need of sound decision making & the impact of technology on decision making.

CO4	Help the students to coordinate and control the business risk
CO5	Students will get insight of various management functions and also learn the delegation of work.
CO6	The students learn the leadership skill and also learn technique of motivation also methods of controlling like PERT and CPM.

Business Economics III

CO1	The learners will understand the concept of Macro Economics. Students gain knowledge of the significance of the macroeconomic concepts.
CO2	Tutee becomes aware of the current economic condition such as inflation, employment, output etc.
CO3	It will enable the learner to examine the economy with various illustrations through fiscal and monetary policies.
CO4	Understand Keynesian economics which includes effective demand, consumption function and multiplier,
CO5	After studying this unit, students will able to understand development of Post-Keynesian economics theories such as IS LM model, inflation, stagflation
CO6	Students acquire the understanding of the relation between money supply and inflation.

Advertising I

CO1	Analyze the structure of advertising and classify the ad campaign as per requirement of target audience
CO2	Identify and learn the different trends in advertising and how to create benefit of ad to business and consumer
CO3	They study the different aspects of ad agencies and build a career in an advertising agency
CO4	Enables them to understand the economic and social aspects of advertising and empowered the consumer
CO5	Tutee learns the special purpose of advertising and evaluate the importance of brand building and overcome the brand crisis
CO6	Helps to Recognise economic and social aspects of advertising

Foundation Course III

CO1	Students are sensitized towards socio-economic problems and the constitutional and legal remedies available to the vulnerable group.
CO2	The learners are introduced to various types of natural disasters. They are also made aware of the various pre and post disaster management.
CO3	The tutee is also made aware of the human rights violation during relief and rehabilitation.
CO4	Students are educated about the development of science and technology
CO5	Develop various soft skills in communication and also to develop team building and presentation skills
CO6	Students prepare the project in this semester which enables them making report making later.

Business Law I

CO1	Enable students to understand the basic rules of Agreements and Contracts
CO2	Students will acquire the objective and significance of Sales of Goods Act, Instrument Act 1991
CO3	Learns will learn the basics of laws governing commercial contracts and rules of considerations
CO4	Tutees will learn the concept of consent and free consent
CO5	Students will learn the rules regarding the contract of Indemnity and Guarantee
CO6	Learn various provisions related to Negotiable Instrument Act 2015

Second Year Bachelor of Commerce (Semester IV)

On the completion of course, learner will be able to develop following outcomes:

Accounting and Financial Management IV	
CO1	Learn the formation procedure of a Company
CO2	They understand the types of shares and procedure for redemption of shares
CO3	Student get an understand the terms related to share issue process and format of Company Balance Sheet
CO4	Tutee understands the concept, procedure and steps involved under redemption of preference shares
CO5	Learn the concept procedure and steps involved under redemption of debentures
CO6	Learner understand and evaluate the concept related to Profit Prior to Incorporation
Financial Accounting and Auditing VI – Auditing	
CO1	Students would understand the basic terms and concepts related to auditing
CO2	Students get the understanding of the objectives and importance of audit planning, preparation of an audit program and audit working papers
CO3	Students would evaluate the various concepts related to auditing techniques like audit sampling, test check, materiality as well as understand the basic concepts related to internal audit
CO4	Students would evaluate the auditing technique of vouching of various transactions in relation to incomes, expenses etc. and auditing technique of verification as regards balance sheet items
Commerce IV	
CO1	Develop a clear understanding about the Indian Financial System.
CO2	Good understanding about the commodity as well as derivatives markets.
CO3	Explain production management and its objectives and importance for business.
CO4	Understand the Production Systems and how effective production system helps to improving the productivity.
CO5	Demonstrate how to control inventory and mange effective business by using effective methods of production functions.
Business Economics IV	
CO1	The learner gets introduced to the concept and issues of Public Finance. Students gain sight in to efficiency market and role of government. Understanding basic concepts of public finance.
CO2	Primary functions of government like revenue, expenditure, debt and budget analysis and understand basic concepts about the taxation, tax burden and its effects are understood by the students
CO3	After studying this topic, students are expected to have knowledge about public expenditure and debts.
CO4	The learners are expected to understand the Fiscal policies and also will be able to understand the implications of budget and Fiscal management
Advertising II	
CO1	Demonstrate an understanding of the overall role advertising plays in the business world

CO2	Identifying the fundamental concepts in creativity and visualization through different endorsement
CO3	Explore the new possibilities in execution and evaluation of advertising in respect of print and broadcast media
CO4	Create good understanding about the traditional and new age media in advertising and equip students to have an interest in media research

Foundation Course IV

CO1	Make children aware of the rights and duties and also make them aware of the Right to Information RTI) and also Public Interest Litigation (PIL)
CO2	Develop a basic understanding about various ecological principles. They develop a sophisticated
CO3	Students are able to appreciate the application of science and develop a scientific temper. understand the various advancement in the field of technology and its misuse.
CO4	Learners are made aware of various competitive exams for admission to Indian and foreign universities and for government employment.
CO5	Students carry out project and make presentation on the project to get hands experience of the presentation skills

Business Law II

CO1	Students acquire knowledge form of organizations and of the companies.
CO2	They understand about various provision of registration, prospectus, private placement, Article and memorandum
CO3	Tutee understand legal aspect while implementing various functions in a company. Further they become aware of about Indian Partnership Act and about LLP
CO4	The students become aware of the rights and obligations as a consumer, Philosophy and significance of Competition law.
CO5	Intellectual property Act which is significant in the present day is imparted to the learner so that the copyright and trade mark could be handled by the students.

Third Year Bachelor of Commerce (Semester V)

On the completion of course, learner will be able to develop following outcomes:

Financial Accounting and Auditing VII – Financial Accounting	
CO1	Learners understand the format of company final accounts and various schedules of company final accounts and also can relate to various disclosure of accounting policies like Closing stock, Depreciation etc.,
CO2	Students would be able to calculate purchase consideration by various methods and would be able to solve practical problems based on Amalgamation, Absorption and External Reconstruction of Companies
CO3	To make learner to acquaint information of buy-back of shares and their legal formalities
CO4	Students will be able to compute and handle exchange rate difference arising out of transactions involving Foreign Currency
CO5	Learner acquire the skills of Investment Accounting and its accounting systems
CO6	The tutee understands the importance of Ethical Behaviour, corporate behaviour and its Implications on Accounts

Financial Accounting and Auditing VIII – Cost Accounting

CO1	Learners will acquire the skills of cost recording systems.
CO2	Students will understand concept of material costing and inventory control and learn to practical problems.
CO3	The students will get insight into payroll and attendance procedures concept of Labour cost and overhead and solve practical problem based on it
CO4	Learner get knowledge of various types of overheads and how to allocate primary and secondary overheads to various cost centre.
CO5	Tutee would be able prepare cost sheet based on functional classification of above types of cost.
CO6	Learner gain knowledge to find the causes for differences in profit as per cost account and profit as per financial account and prepare a statement reconciling costing profit with financial profit for managerial decision making.

Direct and Indirect Taxes Paper - I

CO1	Undergraduates learn about the basic terms of Income Tax Act 1961 and also the technical terms related to Income Tax
CO2	Acquire knowledge residential status of assessee & income exempted from tax. To make the learners aware of residential status of persons and incidence/charge of tax.
CO3	Identify the allowances & calculation of income from salaries. To understand the provisions and procedure to compute total income under five heads of income i.e. salaries, house property, profits & gains from business & profession, capital gains and other sources.
CO4	Compute the annual value and deduction from Income from house property. To understand some specific deductions to be made from gross total income U/s 80-C to 80-U in computing total income
CO5	Compute income from other sources and capital gains.
CO6	Discuss the various deductions under Chapter VI of Income tax Act 1961 and compute the net taxable income of an individual. To enable the learner to understand methodology compute total income and file tax returns.

Commerce V

CO1	Learners will be able to understand concepts of marketing, consumer behaviour, market segmentation, customer relationship management and its applications developing marketing strategies.
CO2	Students acquires knowledge of analyse elements of a brand, take product marketing decisions and use pricing strategies to enhance marketing of products and services
CO3	Tutee would be capable of understanding traditional and contemporary marketing systems, identify the role of the elements in the promotion mix and the trends of sales management and which would help in meeting the demands of current markets
CO4	Enables the learner to identify unethical practices, understand and apply suitable strategies for rural markets, recognise challenges faced by marketing managers and develop resolution to the problems
CO5	Students come to know about the challenges in marketing, marketing ethics & digital marketing

Business Economics V

CO1	The learner learns about New Economic Policy 1991, Social infrastructure, health and family welfare in India and the sustainable development goals. Learners understand about role of health and education in economic development and policy measure to achieve sustainable development goals in India
CO2	Student acquire the idea about National Agricultural Policy 2000 and Agricultural Pricing policy, finance and marketing policies. Students are expected to be familiar with the agricultural scenario in the county including the crucial issues of pricing and marketing to form informed opinion.
CO3	They understand secondary and tertiary sectors of economy through topics like Indian Industrial sector, Competition Act 2002, MSME sector, disinvestment policy, Industrial pollution in India. They are

	introduced to role of industrial and service sector, and challenges and opportunities in these sectors.
CO4	Students learn about Banking and financial sector of the economy in Money Market and Capital Market. They are acquainted with the knowledge of recent trends, issues, and challenges in banking and financial sector.
Computer System & Applications Paper - I	
CO1	Upon completion of the syllabus in the subject, the student shall get holistic idea about the process of Data Communication & networking.
CO2	Learners obtain the basic understanding of the process of Database Development and Administration using SQL and also develop the competence of database management.
CO3	They learn about the different types of subqueries for data gathering. Learner attain the hands-on experience of the SQL database
CO4	Learners enlightened by Design and Implementation of basic database using the Oracle Database Management System
CO5	They gain depth understanding of MS-excel formulas and applications of it.
Export Marketing - I	
CO1	Learner will be able to examine the concepts like product planning, branding decisions, packaging, labelling, marking, Export pricing strategies and various rational Commercial Terms in export marketing export trade for products and services India's export sector and direction of export trade for products and services.
CO2	Examine about export finance options, documentation and procedure involved and the role of export promotion and financing intermediaries.
CO3	Tutee will be able to examine the procedure and documentation of export trade.
CO4	Leaner will be able to evaluate the price in export marketing
CO5	Student will be able to get the outlook of important terminology used in export marketing
CO6	Student will be able to examine the concepts like product planning, branding decisions, packaging, labelling, marking, Export pricing strategies and various International Commercial Terms in export marketing export trade for products and services India's export sector and direction of export trade for products and services

Third Year Bachelor of Commerce (Semester VI)

On the completion of course, learner will be able to develop following outcomes:

Financial Accounting and Auditing IX – Financial Accounting	
CO1	Students enabled to calculate purchase consideration using various methods and solving practical problems based on Amalgamation, Absorption and External Reconstruction
CO2	Computation and handling of exchange rate difference Foreign Currency transaction
CO3	They are trained to handle practical problems on Liquidation of companies and accounts preparation pertaining to it
CO4	Gain knowledge of Underwriting of share and debenture and accounts of it. Students will be able to prepare statement of underwriter's liability.
CO5	Understand Accounting for Limited liability Partnership and also preparation of Final Accounts of Limited Liability Partnership
Financial Accounting and Auditing X – Cost Accounting	
CO1	They gain knowledge of accounts maintenance in cost a/c. under Non-Integrated System through Journal and Ledgers, types of ledger accounts to be preparation and recording of various costing

	transactions
CO2	They learn about application of contract costing, steps in contract costing, profit is ascertaining of complete & incomplete contract.
CO3	They understand the process costing and to which industry it is applicable. How to ascertain cost at each stage of process; valuation of abnormal gain & abnormal loss, bye-product, joint product and its accounting.
CO4	They understand the meaning, application, advantage and disadvantage of Marginal costing. Break even analysis, P/V analysis and use Marginal costing in Managerial decision
CO5	Introduction to new concepts in cost accounting its meaning and application.
Direct and Indirect Taxes Paper – II	
CO1	Understand meaning of GST, its need, the dual GST model, to know different terms used in GST laws and its meaning
CO2	Gain knowledge about the Scope of Supply, nontaxable supply, composite and mixed supply, composition of Levy and also to understand the provisions and procedure for levy and collection tax.
CO3	Understand and solve problems on Place, Time and Value of supply
CO4	Understand the provisions and application of Input Tax credit and calculation of liability and payment tax
CO5	The students understand procedure for registration under GST law and will also able to handle the same.
Commerce VI	
CO1	Understand the role of HR in the effective management of business organization.
CO2	Describe HRD, performance appraisal, career planning and counselling.
CO3	Describe employees morale, grievance and employee welfare.
CO4	They get an idea about contemporary practices in the field of HRM
CO5	They gain knowledge of the green environment concept. Know about the nature of challenges faced by HR manger in changing business environment in the millennium.
Business Economics VI	
CO1	Unit gives brief understanding about theories of international trade, terms of trade, gains from trade, offer curves and reciprocal demand.
CO2	Explain about two essential trade policies of free trade policy and protectionist trade policy, international economic integration and about EU and Brexit
CO3	The students gain knowledge about structure of BOP, WTO, TRIPS, TRIMS and GATT
CO4	Provide information of the rate of exchange and how the rate of exchange is determined
Computer System & Applications Paper – II	
CO1	Learner gain knowledge the fundamental concepts of E-commerce, different payment systems in E-commerce, and M-commerce
CO2	Learners equipped with knowledge and demonstrate correct application of advanced features of Excel.

CO3	Students study various formulas used in Excel, how to debug them, edit and use the suitable formulas under various situation able to use the techniques of spreadsheet for handling data studies.
CO4	Acquire skills of creation of user interface with Visual Basic programming language.
CO5	Learner will also able to do programming with Visual Basic. Learners will be able to use Visual Basic 's Integrated Development Environment and also will be able to design a web page with its design and diagram tools.

Export Marketing – II

CO1	Learner is able to examine the concepts like product planning, branding decisions, packaging, labelling, marking, Export pricing strategies and various international Commercial Terms in export marketing export trade for products and services India's export sector and direction of export trade for products and services.
CO2	Learner will learn concept and strategies for choice of export distribution channels, logistics in export marketing and its selection of modes of transport, need for insurance and sales promotion techniques in export marketing
CO3	Examine about export finance options, documentation and procedure involved and the role of export promotion and financing intermediaries
CO4	Learners would be able to carry out the procedure and documentation of export trade.
CO5	Leaner is able to evaluate the price in export marketing
CO6	Learner is able to get the outlook of important terminology used in export marketing