

Marathwada Shikshan Prasarak Mandal's

Vinayakrao Patil Mahavidyalaya Vaijapur Dist. Aurangabad-MS

Cross Cutting Issues			
Sociology UG			
Sr. No.	Course	Topics	Cross-cutting Issues
1	B.A. I Sem.	Culture	Morality, Human Values
	Paper -II	Socialization	Human values
		Social Norms and Values	Ethics and Etiquettes Love, friendship, gender
		Social Control	Responsibility, Traditions, happiness
2	BA. II Sem.	Political Sociology	Political Culture, Government system
	Paper III	Social Anthropology	Human Genealogy, Development
3	BA. II Sem.	Bond of Unity	Love, Harmony, Values
	Paper IV	Values of Indian Society	Non-Violence, Tolerance and Coexistence
		Democracy and Secularism	Human Rights, Communal Harmony, Social Justice
		Agrarian Transformation	Development and Sustainability, technology
4	BA. III Sem.	Problems of Rural Women, Domestic Violence and Dowry	Gender, Human values
	Paper V	Community Health and Malnutrition	Human Values and Development, Environment

		Rural Economy	Need of sustainable development
		Major issues in development	Unemployment, Corruption and indebtness
5	B.A. III Sem. Paper VI	Problem of Urbanization (Unemployment, crimes, Prostitutions Juvenile delinquency)	Social Ethics, development, responsibility, Morality, Gender Sensitization
		Globalization and Urban change	Global Culture, technology Communication, Infrastructure development
6	B.A. IV Sem. Paper VII	Population Growth and Environment	Human Development, Environment
		Sex Ratio and female Feticides	Human Development, Gender Sensitization,
7	B.A. IV Sem. Paper VIII	Conceptual perspectives on Development	Development, Under development, Sustainable Development, Socio-Economics Disparities, gender development, Development issues in Marathwada
8	B.A. V Sem. Paper IX	Emergence of Sociological thoughts	Enlightenment regarding Social Values, change Development and etc.
		Auguste Comte's contribution	Development of thinking in the way of positivism/ scientific
		Marxism	Human values, Struggle, Emancipation
		Max Weber's Contribution	Protestant's ethics
9	B.A. V Sem. Paper X	Research Methodology	Research ethics
10	B.A. V Sem. Paper XI	Process of Urban Development	Urban Revolution, Industrial Urban Development, Values and Norms in Urban Society

11	Paper XIII	Functionalism	Social Role, Social Values, Norms, Social Behaviors,
		Conflict Theory	Human Values and emancipation, Justice
		Symbolic Interaction	Introspection, Personality development, self-consciousness, Duties and Rights of individuals
12	B.A. VI Sem. Paper XIV	Interview Technique	Common sense, communication skill, face reading skill,
		Computer application and Statistic	Professional ethic
		Social research	Social Analytical skills, (social welfare schemes)
13	B.A. VI Sem. Paper XV	Social Problems of Urbanization	Social ethics (Prostitution, crimes, Slums)

Zoology UG

Course		Topics	Cross-cutting Issues
1	B.Sc. I Year.	Protozoa to Annelida	Environmental, sustainability
		Cell Biology	Human values
		Arthropoda to Echinodermata and Protochordata	Environmental, sustainability
		Genetics-I	Gender, Human Value
2	B.Sc. II Year	Vertebrate Zoology	Environmental, sustainability
		Genetics- II	Gender, Human Value
		Animal Physiology	Gender, Human Value, Environment

		Animal Physiology: -Reproduction	Gender, Professional ethics, Environment
		Biochemistry and Endocrinology: - Endocrine system of vertebrates:	Gender, Human Value, Environmental sustainability
3	B. Sc. III Year.	Ecology	Environment, Human values, Professional ethics
		Parasitic Protozoa and Helminths-I	Human Values and Development, Environment, Environmental sustainability
		Evolution	Environment, Human values, Professional ethics
		Parasitic Protozoa and Helminths-I	Human Values and Development, Environment, Environmental sustainability
Botany UG			
1	B. Sc. I Sem	Group of Cryptogams	Economic importance of Viruses, Mycoplasma, Bacteria, Cryptogams, Lichens, Algae, Fungi, Bryophytes, Pteridophytes.
		Angiosperms	Identification, utilization, Economic Important, Value of Species. Handling of Specimen.
		Microscope operating Knowledge	Dissecting microscope
			Compound Microscope
			Light Microscope
Laboratory Equipments	Glassware, Instrument operating,		
2	B.Sc. II Sem	Environment and Sustainability	Plant Diversity
			Utilization of plants

			Ecology
		Analysis of Plant	Histology
			Anatomy
			Embryology
3	B.Sc. III Sem	Environment and Sustainability	Plant Diversity
			Utilization of plant resources
			Medicinal Plants
			Plant Embryology
		Source and Collection	Practice Material collection and Herbarium Technique
4	B.Sc. IV Sem	Environment and Sustainability	Biology and Diversity of Seed Plants
			Environmental Biology
			Plant Physiology
		Harvesting and Crop Management	Cereals, Pulses, Grams, Grains and their utilization
			Medicinal Plant their uses
		Palaeobotany	Identification and Preparation of slide technique
5	B.Sc. V Sem	Environment and Sustainability	Aquaculture and Pest Management
			Organic and Inorganic farming benefits
		Botanical Garden	Medicinal Garden, Flower Garden, several grouping of plant conserve to next generation
			Co- relation of Plant and animal
6	B.Sc. VI Sem	Environment and Sustainability	Economic Botany
			Uses of Plant as wood and timber

			Plantation of different wild and forest tree
		Conservation of Plant	Field tour
			Visit National and International Botanical Garden
		Plant Breeding and Seed Technology	aims and objectives
			Mutation in crop improvement
			Hybridization programme.
			New techniques in seed technology and Seed processing
			Seed certification process
		Plant Pathology	Fundamentals of plant pathology
			Plant diseases and their biological control
		Biotechnology	Recombinant DNA technology
			Genetic engineering
			Plant tissue culture
			Research projects of DBT Ministry of Science and Technology
		Microbiology and Disease Management	Microbial techniques
			Culture media for isolating plant pathogen
			Disease management and Control Methods
		Bioinformatics	Bioinformatics and its applications
			Application software - Word processor, Spread sheet, Presentation, MS-access, html document.

			Networking technology, LAN, WAN, Arpanet, Internet, Web browsing and servers – Netscape navigator, Internet explorer, search engines like yahoo, Google.
			Bioinformatics software - bioperl biojava bioxml

Economics UG

Sr. No.	Course	Topics	Cross-cutting Issues
1	B.A. I Sem. Paper -II	Human Resource Development	Human Development
		Poverty & Unemployment	Unemployment
		Planning In India	Sustainable Development
		Natural Resources	Environment Development, Sustainable Development
2	BA. II Sem. Paper IV	Banking system in India	Financial Awareness
		Reserve Bank of India	Knowledge about financial Structure
3	BA. III Sem. Paper VI	Factors in Development Process	Development
		Theory of development	Knowledge about development
		Growth Model	Development
		Structural view of economic development	Development, Development issues in Sector
4	BA. V Sem. Paper X	Development of Agricultural	Sustainable Development
		State and Agricultural	Development issues in State
		Fifty years of Indian Agricultural	Unemployment,

			Rural Development
		Technology in Agricultural	Modern New Techniques for Development
5	B.A. VI Sem. Paper XIII	Research Methodology	Statistical Analytical skill, (Various economic variables), Research ethics
6	B.A. VI Sem. Paper XV	Economics Ideas of Mahatma Gandhi	Social Ethics, Human Development, Social Responsibility
		Economics Ideas of Mahatma Phule	Development, Social Responsibility
		Economic Thought of Y. B. Chavan	Social Ethics, Development
7	B.A. VI Sem. Paper XVI	Research Project	Research ethics
Political Science UG			
1	B.A.F.Y. I Sem	State	Importance about State
		Government	Types of Government
		Sovereignty	Supreme Power of the State
		Citizenship, Rights	Morality
2	BA. I Sem.	Sanyukta Maharashtra Movement	Co-operation, Unity, Sacrifice,
		State Legislature	Democratic rights, Responsible Citizenship, Participation in

		High Court	Justice, Rule of Law, Equality before the Law
3	B.A.F.Y. II Sem	Liberty, Equality and Justice	Morality, human values
		Democracy	Human values, morality
		Welfare State	Human values
4	BA II Sem	Local-Self Government Rural (Panchayat Raj) Gram-Panchayat	Democratization of Citizens at Grass-root level De- centralization of Government & training
		Panchayat-Samiti Zila Parishad	Block-development through direct participation
		Political Parties in Maharashtra	Political awareness, Political behavior in mass- movement,
		Shiv-Sena, All India National Congress,	Social bonding for common cause, Social-integrity for political
		Nationalist Congress, Republican Party of India	Goal, Political Skills
5	B.A.S.Y. III Sem	International Relations	Morality,
		Indian Foreign policy	Morality, Human values
		Balance of power	World peace
6	BA III Sem.	Indian Constitution; it's sources	Morals & Values of Indian freedom Movement, Sacrifice
		Provisions in Indian Constitution - Fundamental Rights; Directive Principles of State Policy	Freedom, Equality, Fraternity

		Parliament, Prime-Minister & Cabinet Ministers	Dedication & service towards Society
		The Supreme Court of India	Justice, Equality, Law & Order, Obey the Law
7	B.A.S.Y. IV Sem	Collective Security and UN	Human Values
		Environmentalism	Environment and Sustainability, Human Values, Morality
8	BA IV Sem	Ideology & Programme of political Parties in India	At the service to citizens, Idea of Welfare-state, team spirit
		Challenges before Indian Democracy	Self-transcendence, tolerance, team spirit, equality
		Corruption; Casteism Communalism	Peace, evils of war
		Regionalism	Mindfulness
9	B.A.T.Y. V Sem	Plato	Human Values, Morality
		Aristotle	Moral value of the State
10	B. A V Semi	Raja Ram Mohan Ray	Truthfulness, Service to man is service to God, Oneness, Believe in self, Monotheisms Divinity, Fraternity patriotism
		Sawami Dayananda Saraswati	Human Values like: generosity, service, patriotism spirituality
		Gopal Krishna Gokhale	patriotism sense of duty
		Lokmanya Tilak	patriotism sense of duty

		Mahatma Gandhi	Human Values like: generosity, service, patriotism, Truth, Non-violence, Peace, Fraternity
11	B.A.T.Y. VI Sem	Rousseau	Human Values
		J.S. Mill	Human Values
		Laski	Human Values, Morality
12	VI Semi	Maulana Azad	Solemnity, complacency, sense of duty
		Pandit Jawaharlal Neharu	Human Values like: generosity, service, patriotism wisdom
		M. N. Roy	International Brotherhood
		Dr. Babasaheb Ambedkar	Divinity, Self-identity
		Jayprakash Narayan	Wisdom, Self- reliance, Agitation
13	B.A.T.Y. VI Sem (Main)	Liberalism	Human Values
		Democracy	Human Values, Morality
		Socialism	Human Values, Morality
		Anarchism	Morality, Human Values
		Environmentalism	Environment and Sustainability, Human Values, Morality
History UG			
1	B.A.I Sem. Paper I	Rise of the Maratha Power Ashta Pradhan	Power Of Unity, importance Of Martha power composition Extension of Maratha rule system of ministerial delegation in Maratha empire, The

			formalization of an administrative mechanism was of a piece with other measures, indicative of the formalization of a sovereign state
2	B.A.I Sem. Paper II	Poona Sarvajanik Sabha	was a socio-political organization in British India which started with the aim of working as a mediating body between the government and people of India and to popularize the peasants' legal rights
3	B.A.II Sem. Paper III	Third Battle of Panipat	Decline of the Mughal Empire, Rise of the Marathas, Durrani had both numeric as well as qualitative superiority over Marathas, The Afghan cavalry and pikemen ran wild through the streets of Panipat, killing tens of thousands of Maratha soldiers and civilians.
4	B.A.II Sem. Paper IV	Marathwada, Telangana and 4 districts of Karnataka were part of the former princely Hyderabad state	Marathwada, Telangana and 4 districts of Karnataka were part of the former princely Hyderabad state. Since 1948, when Hyderabad annexed, 17 September has been celebrated as "Liberation Day" by Maharashtra and Karnataka. Evidence of which is observed in Pandit Sunderlal Committee Report
5	B.A.III Sem. Paper V	Vedic culture	Due to being Aryan innovator, this civilization was also called Aryan civilization/ The Rigveda has also described the Puras of dasadasuyas (Harappan people)

6	B.A.III Sem. Paper VI	Muhammad bin Tughluq	Tughluq ordered to move his capital from Delhi to Daulatabad, Token currency, religious policy
7	B.A.III Sem. Paper VII	The Gupta Empire	The Allahabad Pillar inscription, composed by his courtier Harishena, credits him with extensive conquests, the inscription mentions that several foreign kings tried to please Samudragupta by personal attendance
8	B.A.IV Sem. Paper VIII	Mughal painting	Mughal court painting, as opposed to looser variants of the Mughal style Produced in regional courts and cities, drew little from indigenous non- Muslim traditions of painting.
9	B.A.IV Sem. Paper VIII	Mughal Agrarian & Trade Transformation	Mughal period in India 16 th Century North India States
10	B.A.V Sem. Paper IX	Historiography	History is the study of people, actions, decisions, interactions and behaviors'
11	B.A.V Sem. Paper X	Mohandas Karamchand Gandhi	Khilafat movement, Non-co-operation, Salt Satyagraha (Salt March), Round Table Conferences, Congress politics, <i>Quit India movement</i>
12	B.A. V Sem Paper XI	Female education	The Church Missionary Society tasted greater success in South India. Most females were allowed to pursue education without significant Constraints in the Vedic

			<p>period. After India attained independence in 1947, the University Education Commission was created to recommend suggestions to improve the quality of education.</p>
13	B.A.VI Sem. Paper XIII	Tourism is travel for pleasure or business	<p>International tourism, Emergence of leisure travel, Significance of tourism, Tourism, cultural heritage and UNESCO, Mass tourism, Niche tourism, Recent developments</p>
14	B.A.VI Sem. Paper XIV	Industrial Revolution	<p>Industrial Revolution world population has more than tripled., The use of a coal-derived fuel in the iron industry was a key factor in the British Industrial Revolution., he Industrial Revolution began in England, During the Industrial Revolution, people worked 16 hours non-stop., The technology of the Industrial Revolution had a great impact on society.</p>
15	B.A.VI Sem. Paper XV	Ellora Caves	<p>Although the caves served as temples and a rest stop for pilgrims, The Hindu caves were constructed during the Kalachuris period, from the mid-6th century to the end of the 8th century in two phases. , Cave 16, known as the Kailasa temple, is a particularly notable cave temple</p>

			in India as a result of its size, architecture and having been entirely carved out of a single rock.
16	B.A.VI Sem. Paper XVI	Project	Ajanta caves World Heritage selection ... "Ticketed Protected Monuments of Maharashtra – Archaeological Survey
Chemistry UG			
1	B. Sc. Sem-I Inorganic chemistry (Paper-I)	S-Block element	Biological function of S-block elements
2	B. Sc. Sem-I Organic chemistry (Paper-II)	Stereochemistry	Stereochemistry, Optical activity, Optical purity, Conformational Analysis of various compounds.
6	B. Sc. Sem-II Physical chemistry (Paper IV)	Chemical kinetics and Catalysis	Catalyst and application of catalyst
7	B. Sc. Sem-III Organic chemistry (Paper-VII)	Alcohols	Synthesis of different compounds from alcohols
		Phenols	Synthesis of different compounds from phenols
		Aldehydes and ketones	Synthesis of different compounds from aldehyde and ketone
		Carboxylic acids	Synthesis of different compounds from carboxylic acids

08	Lab course-III Paper-IX	Physical chemistry	Heat of neutralization, partition coefficient of different system, equilibrium constant for reactions
		Inorganic chemistry	Estimation of metals
09	B. Sc. Sem-IV Inorganic chemistry (Paper-X)	Non-Aqueous solvent	Reaction in non –aqueous solvents
10	B. Sc. Sem- IV (Lab course-IV)	Physical chemistry	Normality and strength of acids
		Organic chemistry	Preparation of derivatives
	B. Sc. Sem- V Physical Chemistry (Paper-XIII)	Spectroscopy	Detection of functional groups
		Photochemistry	Photosensitized reactions
11	B. Sc. Sem- VI Inorganic chemistry Paper-XVI	Organometallic compounds	Synthesis of different types of compounds
		Bio-inorganic chemistry	Biological role of metals
12	B. Sc. Sem- VI Organic chemistry Paper-XVII	Heterocyclic compounds	Synthesis of different types of heterocyclic compounds
		Synthetic polymers	Preparation of polymers such as PVC, nylons, natural rubers etc.
		Synthetic dyes and drugs	Synthesis of different types of dyes and drugs
13	B. Sc. Sem- VI Lab course-VI	Physical chemistry	Strength of acids in mixture

Bachelor of Commerce

1	B. Com F.Y.	Financial Accounting	Honesty, Fairness and Transparency
		Business & Industrial Economics	Economic Sustainability of Business
		Business Organization & Management	Leadership, Cooperation, Organization and Accountability
		Entrepreneurship Development	Business Leadership, Women Entrepreneurship, Rural Entrepreneurship
2	B. Com S.Y.	Corporate Account	Professional Values
		Cost Account	Professional Values
		GST Account	Tax System Awareness
		I.T. Application in Business	Student's Professional Development and ICT Usage
		Marketing Management	Marketing Ethics
3	B. Com T.Y.	Auditing	Honesty, Fairness and Transparency
		Computerized Accounting	Student's Professional Development and ICT Usage
		Business Regulatory Framework	Consumer Rights and Awareness, Know-how of Regulations
		Rural Development & Agricultural Business	Agricultural Business Development

B. Sc. Biotechnology

1	Biotechnology I Sem. Paper-III-MCD	Microbiology	Study of Microbes
2	Biotechnology I Sem. Paper-IV-BST	Statistical Measures	Uses of Statistical measures
		Data	Study of data representation
		Probability	Study of concepts of probability
3	Biotechnology I Sem. Paper-V-INS	Instrumentation	Uses of different instruments in scientific & analytical studies
4	Biotechnology I Sem. Paper-VI-BML	Biomolecules	Recommended dietary sources of carbohydrates & Vitamins. Functions of hormones, deficiency disorders and clinical significance.
5	Biotechnology II Sem. Paper-IX-MCG	Control of micro-organisms	Different physical & disinfectant methods of control of micro-organisms.
		Antimicrobial toxins	Antibiotics affecting protein synthesis, chemotherapy targeting enzymes, Food poisoning due to toxin production
6	Biotechnology II Sem. Paper-XII-BTC	Chromatography Techniques	Uses of different techniques which is helpful to research area.
7	Biotechnology III Sem. Paper-XIII-BIM	Immunology	Immune cells, antigen, antibody, hypersensitivity in human body
8	Biotechnology III Sem. Paper-XIV-GVG	Study of Viruses	Plant viruses. Animal viruses.

9	Biotechnology III Sem. Paper-XV-DVB	Developmental biology of animals.	Gametogenesis, fertilization, Sexual reproduction, morphogenesis, organogenesis, cell death and regeneration of animal cells.
10	Biotechnology III Sem. Paper-XVI-CSI	Inheritance	Structure of chromosomes, Sex determination, maternal effect, inheritance and linkage.
11	Biotechnology III Sem. Paper-XVII-BEZ	Actions of enzymes-	Different mechanisms of enzymes. Effect of different factors on enzyme actions.
12	Biotechnology III Sem. Paper-XVIII-APL	Physiology of animals	Digestion, excretion, respiration, circulation, muscle physiology 7 endocrine system of human beings.
13	Biotechnology IV Sem. Paper-XIX-CBG	Cell	Division of cells & transportation of important molecules to the living cells.
14	Biotechnology IV Sem. Paper-XX-PPL	Physiology of plants	Photosynthesis, Plant growth, biological clocks of plants & stress response tolerance of plants.
15	Biotechnology IV Sem. Paper-XXI-GEN	Genetics	Population genetics
16	Biotechnology IV Sem. Paper-XXII-CDG	Protein transportation	Synthesis & transportations of protein polypeptides to different cells of living entities.
17	Biotechnology IV Sem. Paper-XXIII-AEZ	Uses of enzymes	Different enzyme uses in food, detergent & textile industries. Clinical & therapeutic applications of enzymes.
18	Biotechnology IV Sem. Paper-XXIV-AIG	Human Immunology	Study of graft rejection, vaccines and cancer immunology.
19	Biotechnology V Sem. Paper-XXV-RGE	Gene	Expressions and regulation of bacterial and eukaryotic genes.

20	Biotechnology V Sem. Paper-XXVI-ITB	Sequencing	Study of Human genome project. Chromosome mapping.
21	Biotechnology V Sem. Paper-XXVII-PGE	Concepts of Vectors	Use of prokaryotic & eukaryotic vectors for the modification in different functional proteins.
22	Biotechnology V Sem. Paper-XXVIII-FDP	Industrial important micro-organisms	Strain improvement by recombinant system for production of fermentation products.
23	Biotechnology V Sem. Paper-XXIX-PTC	Plant tissue culture	Totipotency, Production of genetically modified plants.
		Animal tissue culture	Production of genetically modified animals.
24	Biotechnology V Sem. Paper-XXX-CBC	Metabolic disorders and diseases	Hereditary diseases, nutrition & chronic diseases, clinical blood tests.
25	Biotechnology VISem. Paper-XXXI-GNP	Genomics & Proteomics	Prediction of evolutionary protein molecules, determining gene expression patterns.
26	Biotechnology VISem. Paper-XXXII-RDT	Cloning Strategies	Synthesis of recombinant DNA molecules for the Study of gene functions. Mapping, blotting & sequencing of different DNA molecules for the use in advance research technologies.
27	Biotechnology VISem. Paper-XXXIII-FTC	Microbial fermentations	Productions of acids, solvents, macromolecules, bio pesticides, bio fertilizers, dairy products and vaccines.

Sociology PG

Sr. No.	Course	Topics	Cross-cutting Issues
1	M.A. I Sem. Paper -401	Structural Functionalism	Values Social Role, Social Values, Norms, Social Behaviors,
		Conflict Theory	Human Values and emancipation, Justice
		Marxism	Human values, Struggle, Emancipation
		Structuralism	Responsibility, Traditions, happiness
2	M.A. ISem. paper402 Paper 501	Social research	Social Analytical skills, (social welfare schemes)
		Origins	Revolution, industrial Development
3	M.A. I Sem. Paper 502 paper 526	Conceptual Development	Development, Under development, Sustainable Development, Socio-Economics Disparities, gender development, Development issues in Marathwada
		Criminology crime Prostitutions Juvenile delinquency	Non-Violence, Tolerance and Coexistence Social Ethics, development, responsibility, Morality, Gender Sensitization,
		Democracy and Secularism	Human Rights, Communal Harmony, Social Justice
		Agrarian Transformation	Development and Sustainability, technology
4	M.A. I Sem. Paper 430	Problems of Rural Women, Domestic Violence and Dowry	Gender, Human values
		Community Health and Malnutrition	Human Values and Development, Environment
		Rural Economy	Need of sustainable development
		Major issues in development	Unemployment, Corruption and indebtness

5	M.A. I Sem. Paper 531	Problem (Unemployment, crimes, Prostitutions Juvenile delinquency)	Social Ethics, development, responsibility, Morality, Gender Sensitization,
		Globalization and rural change	Global Culture, technology Communication, Infrastructure development industrial development
6	M.A. I Sem. Paper 536	Population Growth	Human Development
		Sex Ratio and female Feticides	Human Development, Gender Sensitization,
7	M.A. II Sem. Paper 504	Conceptual perspectives on Development	Development, Under development, Sustainable Development, Socio-Economics Disparities, gender development, Development issues in Marathwada
8	M.A. II Sem. Paper 503	Emergence of Sociological thoughts	Enlightenment regarding Social Values, change Development and etc.
		Emile Durkheim's contribution	Development of thinking in the social reality
		Max Weber's Contribution	Protestant's ethics
9	M.A. II Sem. Paper, 402	Research Methodology	Research ethics
10	M.A. IISem. Paper 502	Process of Rural Development	Revolution, Development, Values and Norms in rural Society
11	M.A. II Sem. Paper 431 paper 403	rural sociology	rural culture, rural development
		Symbolic Interaction	Introspection, Personality development, self-consciousness, Duties and Rights of individuals
12	M.A. II Sem. Paper 404	Interview Technique	Common sense, communication skill, face reading skill,
		Computer application and Statistic	Professional ethic
		Social research	Social Analytical skills, (social welfare schemes)
13	M.A. II Sem. Paper 440	Social Problems of rural	Social ethics (Prostitution, crimes, Slums)

Political Science PG

	Course	Topic	Cross-Cutting Issues
	M.A.I Sem PSC-401	Nature and Significance of Political theory	Morality, Human Values
		The Nature of Tradition of Classical Political Theory	Political Development, Political Culture, Tradition
		Shorts Introduction to Recent Trends in Political Theory	Human Values, Gender, Social Ethics, Human Right
	M.A.F.Y. I Sem PSC-402	Introduction of International Relations	International Morality, Human Values
		Theories of International Relations- Marxist Theory, Game Theory, Idealist-Realist Theory Debate	Political Development, Political Morality
		The Non-aligned Movement	Political Development, Political Ethics, Morality
		Same Basic Concepts: National Power, National Interest, Human Rights, Collective Security	Political Development, Ethics, Human Values, Human Right, International Co-operations, International Peace
		Balance of Power	International Co-operations, International Peace, Ethics
	M.A.I Sem PSC-403	Meaning, Nature, and Scope of Comparative Politics	Political Development, Political Culture,

		Constitutionals	Human Values, Human Right, Social Justice, Morality
		Political Modernization	Global Culture, Social Ethics
M.A.F.Y I Sem		Pre-Independence Pattern of State	Political Development
PSC- 432		Centre-State Relations	Political Ethics, Political Development
		Identity Politics	Human Values, Political Development
M.A.II Sem		Liberalism	Human Values, Human Right, Social Justice, Human Development, Political
PSC-404		Socialism	Morality, Social Justice, Political Culture, Ethics and Etiquettes
		Other Ideological Traditions	Human Values, Responsibility, Morality, Gender
M.A.F.Y.II sem		Disarmament and Arms Control	International Peace, Co-operation, Human Value, Ethics
PSC- 405		Regional Organizations	Political Development, Ethics
		Important issues in Contemporary World Politics	Political Development, Human Value, Environment, Sustainability
		New Economic Policy	Development,
M.A.II Sem		Ancient Period-Plato, Aristotle	Morality, Human Values, Political Development, Government System,
PSC-406		Modern Period-Nicolo Machiavelli, Thomas Hobbs	Social Ethics, Human Values, Human Rights
		Jeremy Bentham, Karl Marx	Political Development, Protestant's ethics, Human Values, Struggle, Emancipation
M.A.III Sem		Research Methods in Social Sciences	Research Ethics, Social Analytical Skills
PSC-407			
		British Impact in Indian Society	Human Values, Morality, Social Ethics

M.A.S.Y.III sem PSC- 408	The Tradition of liberalism Navroji, Gokhale, Ranade	Human Values, Political & Social Development, Gender
	Social, Political & Economic ideas of M. G. Gandhi, J.P. Narayan, Vinoba Bhave	Human Values, Gender,
	Democratic Socialism and communism Pr. Nehru, R.M. Lohiya, S. A. Dange	Human Values, Morality, Social & Political Development
M.A.S.Y.III sem PSC- 409	Principal, Objective of India's Foreign policy	Human Values, Morality, International Peace & Co-operation
	India and United Nations	Human Values, Morality, International Peace & Co-operation
M.A.III Sem PSC-437	Social Justice	Human Values, Morality, Development, Responsibility, Social Ethics
	Theory Of Rights	Human Rights, Happiness Political Development
	Feminist Political Theory	Gender, Human Values, Human Right, Gender Sensitization
M.A.IV Sem PSC-410	Farming of the Indian Constitution	Human Values and Development, Political Culture, Human Development, Social Ethics, Morality, responsibility
	Judiciary	Human Rights, Ethics and Etiquettes, Human Development
M.A.S.Y.IV sem PSC- 411	Liberal Approach to politics	Morality, Human Values
	Marxist Perspective on Politics	Human Nature & Morality
M.A.S.Y.IV sem PSC- 412	South Asia Strategic Environment	Human Values, Environment, Sustainability, Morality
	Security issues in South Asia	Human Values, Environment, Sustainability, Morality

		India and South Asia	Political Ethics, Human Values, Peace & Co-operations Environment and Suitability
	M.A.IV Sem PSC-423	Dr. Babasaheb Ambedkar on Caste: A Study of his text; Annihilation of Caste	Human Values, Human Rights, Political Culture, Social Justice, Morality, Social Ethics, Struggle, Social role, Social Values, duties and rights, Political System,

M. Sc. Chemistry

Sr. No.	Course	Topics	Cross-cutting Issues
1	M.Sc. Sem. I Analytical Chemistry (CHE-101)	Statistical Treatment of analytical data	Error, precision, accuracy
		Basic Separation techniques	Distillation, extraction
		Chromatography	principles and uses of different types of chromatography
		HPLC	principles and uses of different types of HPLC
2	M.Sc. Sem. II (CHE-208) Physical Chemistry	Phase Rule	Partially miscible three liquid systems
		Photochemistry	Photo-oxidation, photo-reduction, photo-dimerization
3	M.Sc. Sem. I and II (CHE-210) Lab. Course (Inorganic)	Semi micro–Qualitative Inorganic Analysis	Identification of basic and acidic radicals

4	M.Sc. Sem. I and II (CHE-211) Lab. Course (Organic)	Qualitative Organic Analysis	Separation, Purification and Identification of mixtures
5	M.Sc. Sem. I and II (CHE-212) Lab. Course (Physical)	Instrumentation	Dissociation constant, strength of halides
6	M.Sc. Sem. III (CHEO-313) Structural Elucidation by Spectral methods	ESR Spectroscopy	Presentation of spectrum
7	M.Sc. Sem. IV Medicinal Chemistry (CHEO-420)	Drug activity	Drug, Prodrug, hard and soft drugs, agonists, antagonists, bioisosterism, pharmacophores, lead molecules, lethal dose(LD50) and effective dose(ED50)
8	M.Sc. Sem. III and IV Lab. Course (Organic) (CHEO-423)	One Stage Preparation	Preparations based upon green synthetic protocols

Bachelor of Computer Science

Sr. No.	Course	Topic	Cross Cutting Issues
1	BCS SEM – I,	Programming, Software Development	Business rules, caching, code mobility, Data validation, Domain-specific optimizations, Error detection and correction, internationalization, localization, information security, logging, memory management, monitoring, persistence, product features, real-time constraints, Synchronization, transaction processing, context-sensitive help
2	BCS SEM – II	Data Structure	Data management, security, education, permits & coordination, memory leakage
3	BCS SEM – II, III, IV	Operating System	Confidentiality, privacy, user friendly, deadlock dealing
4	BCS SEM –III,	Mathematics & Theory of Computations	Procedural skills, machine halting problem, algorithm complexity, sampling, time series, consistency, recalculations, verification
5	BCS SEM – IV	Software Engineering, cost estimation, quality & testing	Business, rules, Honesty, trustworthy, maintainability, reliability, responsibility, safety, management, team building, working environment, professionalism
6	BCS SEM – V	Ethics & Cyber Law	Cyber-attacks, network vulnerabilities, hacking, security, recovery policies, information assurance, diplomacy, legality, lack of evidence
7	BCS SEM – VI	Networking	Authentication, authorization, confidentiality, integrity, non-repudiation, data transfer, network traffic
8	BCS SEM – III	Database management system	Query optimization, database logs, data ware house, large scale database

Mathematics UG

Sr. No.	Class	Course Code	Course Name	Cross-cutting Issue	Matters dealing with cross-cutting issue
01	F. Y. B. Sc.	MAT-101	Differential Calculus	Human values	Stress management by flourishing the mathematical proficiency in Differential Calculus and problem-solving skills. Personality development by improving logical thinking.
				Professional ethics	Problem solving attitude, competencies and logical thinking among students.
02		MAT-102	Differential equations	Human values	Stress management by flourishing the mathematical proficiency in Differential equations and problem-solving skills. Personality development by improving logical thinking.
				Professional ethics	Problem solving attitude, competencies and logical thinking among students.
03		MAT-201	Integral Calculus	Human values	Stress management by flourishing the mathematical proficiency in Integral Calculus and problem-solving skills. Personality development by improving logical thinking.
				Professional ethics	Problem solving attitude, competencies and logical thinking among students.
04		MAT-202	Analytical Geometry	Human values	Stress management by flourishing the mathematical proficiency in Analytical Geometry and problem-solving skills. Personality development by improving logical thinking.
				Professional ethics	Problem solving attitude, competencies and logical thinking among students.

05	S. Y. B. Sc.	MAT-301	Number theory	Human values	Stress management by flourishing the mathematical proficiency in Number theory and problem-solving skills. Personality development by improving logical thinking.
				Professional ethics	Problem solving attitude, competencies and logical thinking among students.
06		MAT-302	Integral transforms	Human values	Stress management by flourishing the mathematical proficiency in Integral transforms and problem-solving skills. Personality development by improving logical thinking.
				Professional ethics	Problem solving attitude, competencies and logical thinking among students.
07		MAT-303	Mechanics: I	Human values	Stress management by flourishing the mathematical proficiency in Mechanics and problem-solving skills. Personality development by improving logical thinking.
				Professional ethics	Problem solving attitude, competencies and logical thinking among students.
08		MAT-401	Numerical analysis	Human values	Stress management by flourishing the mathematical proficiency in Numerical analysis and problem-solving skills. Personality development by improving logical thinking.
				Professional ethics	Problem solving attitude, competencies and logical thinking among students.

09		MAT-402	Partial differential equations	Human values	Stress management by flourishing the mathematical proficiency in Partial differential equations and problem-solving skills. Personality development by improving logical thinking.
				Professional ethics	Problem solving attitude, competencies and logical thinking among students.
10		MAT-403	Mechanics: II	Human values	Stress management by flourishing the mathematical proficiency in Mechanics and problem-solving skills. Personality development by improving logical thinking.
				Professional ethics	Problem solving attitude, competencies and logical thinking among students.
11	T. Y. B. Sc.	MAT-501	Real analysis: I	Human values	Stress management by flourishing the mathematical proficiency in Real analysis and problem-solving skills. Personality development by improving logical thinking.
				Professional ethics	Problem solving attitude, competencies and logical thinking among students.
12		MAT-502	Abstract algebra: I	Human values	Stress management by flourishing the mathematical proficiency in Abstract algebra and problem-solving skills. Personality development by improving logical thinking.
				Professional ethics	Problem solving attitude, competencies and logical thinking among students.

13	MAT-503	Mathematical statistics: I	Human values	Stress management by flourishing the mathematical proficiency in Mathematical statistics and problem-solving skills. Personality development by improving logical thinking.
			Professional ethics	Problem solving attitude, competencies and logical thinking among students.
14	MAT-601	Real analysis: II	Human values	Stress management by flourishing the mathematical proficiency in Real analysis and problem-solving skills. Personality development by improving logical thinking.
			Professional ethics	Problem solving attitude, competencies and logical thinking among students.
15	MAT-602	Abstract algebra: II	Human values	Stress management by flourishing the mathematical proficiency in Abstract algebra and problem-solving skills. Personality development by improving logical thinking.
			Professional ethics	Problem solving attitude, competencies and logical thinking among students.
16	MAT-603	Mathematical statistics: II	Human values	Stress management by flourishing the mathematical proficiency in Mathematical statistics and problem-solving skills. Personality development by improving logical thinking.
			Professional ethics	Problem solving attitude, competencies and logical thinking among students.

Commerce PG			
1	M.Com F.Y.	Modern Management Practices	Leadership, Cooperation, Organization and Accountability
		Managerial Economics	Economic Sustainability of Business
		Corporate Financial Accounting	Honesty, Fairness and Transparency
		Business Environment	Awareness Regarding the Business Environment
2	M.Com S.Y.	Research Methodology	Professional Values
		Human Resource Planning and Development	Equity, Training and Development
		Business Legislation	Consumer Rights and Awareness, Know-how of Regulations
		International Marketing	Professional Values

B.B.A.			
1	BBA F. Y.	I.T. Fundamental	Student's Professional Development and ICT Usage
		Business Economics	Economic Sustainability of Business
		Management Perspective	Leadership, Cooperation, Organization and Accountability
		Environment Awareness	Awareness Regarding Environment
2	BBA S. Y.	Business Law	Professional and Law Values, Consumer Rights and Awareness
		Human Factor in Business	Honesty, Fairness and Transparency
		Organizational Effectiveness and Change	Leadership, Marketing Ethics
		Cost Accountancy	Honesty, Fairness and Transparency

		Entrepreneurship Development	Business Leadership, Women Entrepreneurship, Rural Entrepreneurship
3	BBA T.Y.	Auditing	Honesty, Fairness and Transparency
		E Commerce and Internet	Student's Professional Development and ICT Usage
		Project	Professional Values
		Taxation Law	Professional Values
B.C.A.			
1	B.C.A. F. Y.	Accounting	Honesty, Fairness and Transparency
		Business & Industrial Economics	Economic Sustainability of Business
		Industrial Organization	Leadership, Cooperation, Organization and Accountability & Core Knowledge Of industry
		Operating system I & II & Office Automation	Student's Professional Development and ICT Usage
		PM	Knowledge about Management Functions
		Math	Basic Knowledge About Mathematics concept
		CS	How to communicate Effectively
		Stat	Basic knowledge of Stat
		Prog in C Language	Developing C Programs in High Language
2	B.C.A. S. Y.	Entrepreneurship Development	Business Leadership, Women Entrepreneurship, Rural Entrepreneurship
		Cost Account	Professional Values
		E-Business	Awareness about E-Commerce
		Data structure in Business	Student's Professional Development and ICT Usage

		DBMS & MIS & DSS	How to Maintain large database & System
		Networking	Knowledge about Business Data Networking
		Jawa Programming	Knowledge of Web Page Programming
3	B.C.A. T. Y.	Auditing	Honesty, Fairness and Transparency
		Android & System Programming	Student's Professional Development and ICT Usage
		Management A/C	Management Accounting Procedure & Ethics
		Business organization	Knowledge of how to work in organization & Business Development
		Business Law	Knowledge of Bus Law & Current IT Act 2000 for Efficient use Of IT work
		Project	Detailed knowledge of software Development
		Business Elective	Knowledge about Bus Honesty, Fairness and Transparency
		ECP	Awareness Regarding the Electronic Transactions Concept
		SQL	Knowledge about Database Handling
Matathi PG			
1	एम ए मराठी प्रथम वर्ष - सत्र पहिले पपेर - १०२	वाड्मयीन मूल्य संकल्पना	Human Values
		मुल्यांची विविधता, वाड्मयीन मूल्य, जीवन मूल्य चर आचरता	Social Values
2	एम ए मराठी प्रथम वर्ष - सत्र दुसरे पपेर - २०२	आधुनिक साहित्य प्रवाहाची समीक्षा, ग्रामीण, दलित, आदिवासी, पर्यावरणवादी	Social Values, Human Values, gender Development Issues, Environment Issues
		उपयोजित समीक्षा, ग्रंथ परीक्षण, पुस्तक परिचय	Writing Skill Issues
		विविध समीक्षा पध्दती, समाजशास्त्रीय, मानसशास्त्रीय, आदिबंधात्मक, मार्क्सवादी	Research Skill Development

3	एम ए मराठी प्रथम वर्ष – सत्र पहिलेपेपर – १०३.१	भाषिक कौशल्य, श्रवण, वाचन, निरीक्षण	Language Skill Development, Redding Skill Development, Observation Skill
		परिणामकारक संभाषणाचे तंत्र	Communication Skill, Personality Development
		भाषेचा सृजनशील वापर	Writing Skill Issues
		मुद्रित माध्यमासाठी लेखन कौशल्य	Professional Ethic, Writing Skill Issues, Social Values, Human Values,
4	एम ए मराठी प्रथम वर्ष – सत्र दुसरे पेपर – २०३.१	दृकश्राव्य माध्यमासाठी लेखन कौशल्य	Professional Ethic, Writing Skill Issues
		उपयोजित लेखन कौशल्य	Professional Ethic, Writing Skill Development, Social Values,
		सृजनशील लेखन कौशल्य	Writing Skill Development, Social Values, Human Values,
5	एम ए मराठी द्वितीय वर्ष – सत्र तिसरे पेपर – ३०१	भाषेचे स्वरूप, भाषिक संदेशन	Communication Skill
6	एम ए मराठी द्वितीय वर्ष – सत्र तिसरे पेपर – ३०३.१	लोकसाहित्याची रूपरेषा	Social Values, Human Values, Professional Ethic,
		लोकसाहित्यातील लोकवाङ्मय	Social Values, Human Values,
		लोकसाहित्यातील लोकजीवन दर्शन	Culture Values, Human Values, Social Values,
7	एम ए मराठी द्वितीय वर्ष – सत्र चौथे पेपर – ४०१	मराठी भाषेची पूर्वपीठीका आणि उत्पत्ती	Language Skill Development
		मराठी भाषेच्या अभ्यासपध्दती	Research Skill Development
		समाज भाषाविज्ञान व्याप्ती व स्वरूप	Language Skill
		सामाजिक बोलीविज्ञान व भाषिक संपर्क	Professional Language Skill
8	एम ए मराठी द्वितीय वर्ष – सत्र चौथे पेपर – ४०३.१	लोकगीते, लोककथा, स्त्री गीते, पुरुषांची गीते, कृषी गीते	Rural Tradition, Gender Human Values, Social Values,
		उखाणे, म्हणी, वाक्प्रचार	Social Ethics, Rural Tradition, Human Values, Social Values,
		लोकरंगभूमी – पोतराज, वाघ्या-मुरळी, भराडी, गोंधळ, वासुदेव, तमाशा इत्यादी	Culture in Maharashtra, Rural Tradition, Social Ethics, Human Values, Social Values,

Marathi UG

1	बी.ए.प्रथम वर्ष ऐच्छिक सत्र पहिले पेपर- १०२	नाट्यात्म साहित्य	Gender Development, Human Values, Social Values
2	बी.ए.प्रथम वर्ष ऐच्छिक सत्र दुसरे पेपर- -१०४	मुद्रित माध्यमासाठी लेखन कौशल्ये	Technology Skill Development, Language Skill Development, Writing Skill Development
3	बी.ए. बी.एस्सी.,बी.एस.ड ब्ल्यू.व्दितीय वर्ष प्रथम भाषा पेपर-- ०३	गद्य-पद्य उपयोजित मराठी	Professional Ethics, Writing Skill Development, Social Values
4	बी.ए.,बी.एस्सी.,बी. एस.डब्ल्यू.व्दितीय वर्ष प्रथम भाषा पेपर- ०४	गद्य-पद्य उपयोजित मराठी	Professional Ethics, Writing Skill Development, Social Values
5	बी.ए. व्दितीय वर्ष ऐच्छिक सत्र पहिले पेपर- -१०६	दृक-श्राव्य माध्यमांसाठी लेखन कौशल्ये	Technology Skill Development, Professional Ethics, Writing Skill Issues
6	बी.ए. व्दितीय वर्ष ऐच्छिक सत्र दुसरे पेपर- -१०८	साहित्य प्रकारांतर आणि साहित्याचे माध्यमांतर	Technology Skill Development, Language Skill Development, Writing Skill Development
7	बी.ए.तृतीय वर्ष ऐच्छिक सत्र पहिले पेपर-९ वा	भारतीय साहित्यविचार	Literature Skill Development, Language Skill Development

8	बी.ए.तृतीय वर्ष प्रमुख सत्र पहिले पपेर-११ वा	मध्ययुगीन मराठी वाड.मयाचा इतिहास (प्रारंभ ते १६००)	Professional Ethics, Writing Skill Development, Social Values
9	बी.ए.तृतीय वर्ष ऐच्छिक सत्र दुसरे पपेर- १३ वा	पाश्चात्य साहित्यविचार	Literature Skill Development, Language Skill Development
10	बी.ए.तृतीय वर्ष प्रमुख सत्र दुसरे पपेर- १५ वा	मध्ययुगीन मराठी वाड.मयाचा इतिहास (१६०१ ते १८१८)	Professional Ethics, Writing Skill Development, Social Values

हिंदी				
अ.क्र	कक्षा	प्रश्नपत्र का नाम	उप-शीर्षक	मूल्य
1	बी.ए प्रथम वर्ष (ऐच्छिक)	उपन्यास साहित्य नाटक साहित्य	आपका बंटी होरी, विजय पर्व,अलख आजादी की	बाल मनोविज्ञान,मानवी भाव,अतीत का गौरव, पर्यावरण.ग्रामसंस्कृति
2	बी.ए प्रथम वर्ष द्वितीय भाषा	सामान्य हिंदी	कथा साहित्य	समस्त मानवी मूल्यों की प्रतिष्ठा, संवेदनशीलता
3	बी.ए.द्वितीय वर्ष ऐच्छिक	प्रयोजनमूलक हिंदी	प्रयोजनमूलक हिंदी	भाषा की व्यावहारिकता,व्यावहारिक भाषा ज्ञान
4	द्वितीय वर्ष (द्वितीय भाषा)	सामान्य हिंदी	सामान्य हिंदी	भाषा की प्रतिष्ठा और महत्व,सम्प्रेषण का महत्व,भाषा कौशल, पर्यावरण,लिंग भाव आधुनिक दृष्टी
5	बी.ए.तृतीय वर्ष	हिंदी साहित्य का इतिहास	हिंदी साहित्य का इतिहास	प्राचीन संस्कृति का गौरव,मूल्यों के प्रति आस्था,नैतिक उन्नति का उपदेश,
6	बी.ए.तृतीय वर्ष	संत काव्य	मध्यकालीन संत साहित्य आधुनिक कविता	मूल्यों के प्रति आस्था,नैतिक उन्नति का उपदेश
7	बी.ए प्रथम वर्ष (ऐच्छिक)	उपन्यास साहित्य/कथा साहित्य	अमिता- यशपाल, कथायात्रा	इतिहास और कल्पना का सुंदर समन्वय, बालमनोविज्ञान,मानवी भाव,अतीत का गौरव,पर्यावरण.ग्रामसंस्कृति,

8	बी.कॉम प्रथम वर्ष	सामान्य हिंदी	कथा साहित्य/व्यावहारिक हिन्दी	समस्त मानवी मूल्यों की प्रतिष्ठा, संवेदनशीलता, व्यावहारिक भाषा का अवलोकन
9	बी.ए. तृतीय वर्ष	प्रादेशिक भाषा साहित्य/मध्यकालीन काव्य	मराठ से अनुवादित साहित्य, मध्यकालीन संत साहित्य	प्रादेशिक साहित्य का अवलोकन, संस्कृति, जीवन के प्रति दृष्टिकोण, प्राचीन संस्कृति का गौरव, मूल्यों के प्रति आस्था, नैतिक उन्नति का उपदेश,



psd
PRINCIPAL
Vinayakrao Patil Mahavidyalaya,
Waijapur Dist. Aurangabad