



Navgan Shikshan Sanstha Rajuri (N.)
Mrs. Kesharbai Soanjirao Kshirsagar Alias Kaku
Arts, Sci. & Comm. College, Beed- 431122



Principal
Dr. S. V. Kshirsagar

ISO- 21001:2018

NAAC reaccrdited -A Grade
[3.15 CGPA as per New RAF]

Green audit

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CRITERION: I CURRICULAR ASPECTS.

CERTIFICATE COURSE

1.3.1 - Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum

SR.NO	NAME OF THE CERTIFICATE COURSE	DEPARTMENT	CROSSCUTTING ISSUE'S			
			PROFESSIONAL ETHICS	GENDER	HUMAN VALUES	ENVIRONMENT & SUSTAINABILITY
1	VAYAHARIK MARATHI	MARATHI	YES	YES	YES	NO
2	COMMUNICATIVE ENGLISH	ENGLISH	YES	YES	YES	NO
3	PRAYOGENMULAK HINDI	HINDI	YES	YES	YES	NO
4	VIKRI PRATHINIDHI	ECONOMICS	YES	YES	YES	NO
5	MODI-LIPI	HISTORY	YES	NO	NO	NO
6	SOCIAL PROBLEMS IN RURAL SOCIETY	SOCIOLOGY	YES	YES	YES	YES
7	HUMAN RIGHTS	POLITICAL - SCIENCE	YES	YES	YES	YES
8	DIASTER MANAGEMENT	GEOGRAPHY	YES	YES	YES	YES
9	HOSPITAL MANAGEMENT	HOME-SCIENCE	YES	YES	YES	NO
10	ANGANWADI & BALWADI		YES	YES	YES	NO
11	FUNDAMENTAL RIGHTS	PUBLIC - ADMINISTRATION	YES	YES	YES	NO
12	PCC	DRAMA	YES	YES	YES	NO
13	LIGHT MUSIC.	MUSIC	YES	YES	YES	NO
14	INSTRUMENTAL MUSIC,		YES	YES	YES	NO
15	KARAOKE SINGING.		YES	YES	YES	NO
16	BASIC CONCEPT OF MUSIC		YES	YES	YES	NO
17	CO-OPERATIVE BANK MANAGEMENT	COMMERCE	YES	NO	NO	NO
18	CERTIFICATE COURSE IN ELECTRONIC EQUIPMENT'S REPAIRING & MAINTENANCE	PHYSICS	YES	NO	NO	NO
19	EDIBLE OIL	CHEMISTRY	YES	NO	YES	YES
20	BASIC TECHNIQUES IN MATHEMATICS	MATHEMATICS	YES	NO	NO	NO
21	CROP MANAGEMENT	BOTANY	YES	NO	YES	YES
22	DUDGH VAYSAYA	ZOOLOGY	YES	YES	YES	YES
23	GINNING PRESSING		YES	YES	YES	YES
24	SIRI CULTURE		YES	NO	NO	YES
25	TECHNIQUES IN MICROBIOLOGY	MICROBIOLOGY	YES	NO	YES	YES
26	FUNDAMENTALS OF HARDWARE	COMPUTER-SCIENCE	YES	NO	NO	NO



Principal
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N.S.S.R.(N.) Mrs. Kesharbai
Sonajirao Kshirsagar Alias Kaku
Arts, Science and Commerce
College, Beed.

**1.3.1: Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability in transacting the Curriculum
Cross Cutting Issue through syllabus**

Crosscutting issues	Department	Class	Semester	Paper Name	chapter name	Topic/ Theme
Professional Ethics	Microbiology	B.Sc. T Y	I	Reonationate DNA Technology	Unit IV	Ethical Issues of Genetic Engineering ,Professional Ethics ,Human values ,Envionment and sustainability
		BSc S.Y.	III	Envionmental Microbiology	Water Microbiology,	usefulness of water microbes foe ecosystem,Envionmental pollution
		BSc S.Y.	IV		Sewage Microbiology	useage of microbes
		BSc S.Y.	IV		Soil Microbiology	utility to save Ecosystem through microbes
Professional Ethics	Zoology	B Sc T Y Zoology	V	Zoology ZOL-501	1 Concept and terminology used in the ecology	Knowledge and importance of envionmental ,Ecological factors ,Envionmental Issues
		ZOL501	VI		2 Abiotic Envionmental Factors : Light , Temprature ,Adapation to salinity and moisture	Knowledge and importance of animal association ,Envionmental Issues
					,Interaction ,Association ,Competition ,Predation ,parasitism ,Mutualism	Study ,Knowledge and importance of different ecosystems ,Envionmental Issues
					4 Population :Concept ,Characterstics ,Growth Regulation	Abiotic to analyze mechanism and research work
					5 Community :Concept ,Structure Characteristics ,Community Succession	Envionmental awareness

					6 Study of Ecosystem ,Concept ,Component ,Food Chain ,,Food web ecological pyramids ,Brief Introduction to pond ecosystem ,Forest Ecosystem ,Desert Ecosystem	Envionmental Issues
Professional Ethics	Computer Science	B Sc F.Y.	I	Computer Fundamentals CMP 111	Internet ,Word Wide Web and Computer Security	Cyber security,Humanism
			I	Computer Fundamentals CMP 112	Memory Management	Facilities ,Professional Ethics
					Prose	
Human values	English	B Sc.F Y./B A F Y	I	Language Learning skills	Happy Prince - Oscar Wilde	Ethics,Humanism
		paper I			Good Manners -J C Hill	Gender,Humanism ,Ethics
					Eyes are not here -Ruskin Bond	Human values
					Forgetting -Roberet Lynd	Environment and sustainability
					Poetry	Ethics
					One Day I wrote her name upon -Edmund Spensr	Gender,Human Values
					Ode on solitudse - ALEXANDER Pope	Human values,Envionmental Issues
					If- Rudyard Kipling	Environment and sustainability
					My love is like red red rose - Robert Burns	Human Values ,Envionmental Issues
					Stoping by woods on a Snowy Evening -Robert Frost	Human Values ,Envionmental Issues
					Prose	,

Human values	English	B Sc I/B A F Y	II	Language Learning skills	The Bet -Anton Chekov	Human values
					The three question -Leo Tolstoy	Human values
					With the photographer - Stephen Leacock	Environment and sustainability,Humanism
					National Prejudice -Oliver Goldsmith	Ethics
					Gandhi	Gender
					Poetry	
					Where the mind is without fear by Rabindranath Tagore	Environment and sustainability,Humanism
					The solitary reaper -William Wordsworth	Envionmental Issues ,Sustainability
					Ozyamandias of Egypt -P B Shelly	Ethics,Human values
					Laugh and be Merry -John Masefield	Gender
					The Toys-Covetry Patmore	Human values
Human values	English	BA F Y	I &II	Reading Literature	Shakespears Sonnets ,Sonnet no 29,Snnet no 60,Sonnet no 73,Sonnet no 116 ,Sonnet no 130	Environment and sustainability
					John Keats odes	Ethics
					Ode to Nightingale ,Ode to Autumn ,Ode on Grecian Urn	Gender
					The Guide by R K Narayan	Human values
					Arms and the Man by G B Shaw	Environment and sustainability
						Ethics
						Gender
Human values	English	B A /B sc S Y	III &IV	Learning Language skills	Prose	

					The Importance of English - Mulk Raj Anand	Environment and sustainability
					How to make a Speech -Edgar I Baker	Ethics
					the Night Train at Deoli - Ruskin Bond	Gender
					The Conjuror's Revenge - Stephen Leacock	Human values
					Luncheon -W Somerset Maugham	Environment and sustainability
					Poetry	
					First Love -John Clare	Gender
					All the World ...-William Shakespeare	Human values
					Next please -Philip Larkin	Environment and sustainability
					Father Returning Home -Dilip Chitre	Ethics
					Dover BEACH -Matthew Arnold	Gender
Human values	English	BAS Y	III &IV	Literature in English 1550- 1750	Bacon's Essay	Human values
					The Rime of Ancient Mariner - S T Coleridge	Environment and sustainability
					Far From the Madding Crowd -Thmos Hardy	Ethics
						Gender
Human values	English	BAS Y		Literature in English 1750- 1900	Julius Caesar -William Shakespeare	Human values
					Robinson Crusoe -Daniel Defoe	Environment and sustainability

					Last Ride Together -Robert Browning	Ethics
					Importance of Being Ernest - Oscar Wilde	Gender
Human values	English	BAS Y	III &IV	Learning Language skills	Prose	Ethics
					How to avoid an Argument - Sam Horn	Gender
					The Avenger -Anton Chekhov	Human values
					On not Answering the telephoneW.Plomer	Environment and sustainability
					The Sporting Spirit -GeORGE Orwell	Ethics
					The old Man at the Bridge - Ernest Hemingway	Gender
					Poetry	Human values
					Gather Ye Rosebuds -Robert Herrick	Environment and sustainability
					Mirror-Sylvia Plath	Ethics
					SONNET 43-Elizabeth Barreick m	Gender
					Nobody Loves me -Albert Nimeth	Human values
					Night of the SCORPION - Nissim Ezekiel	Environment and sustainability
						Ethics
Human values	English	BAT Y	V &VI	Twentieth Century English Literature	T.S Eliot's Poem	Gender
					The Love Song of J Alfred Prufrock	Human values
					Preludes	Environment and sustainability
					Drama	Ethics

					Pygmalion -A Romance in Five Acts	Gender
					SONS and Lovers - D.H.Lawerences	Human values
					W.B.Yeats Poem	Environment and sustainability
					Easter 1916	
					The second Coming	Human values
					Among School Children	Human values
					Look back in Anger -John Osborne	Human values
					Lucky Jim -Kingsley Amis	Environment and sustainability
Human values	English			Indian Writing in English	The Boat Ride -Arun Kolhtkar	Environment and sustainability
					Tughlaq-Girish Karnad	Human values
					Samskara -U R Ananthmurthy	Human values
					Nissim Ezekiel's Poems	Human values
					Very Indian Poem In Indian English	Environment and sustainability
					Night of the Scorpion	Human values
					Drama	Environment and sustainability
					Silence the Court is in Session -Vijay Tendulkar	
	English	B Com S Y	III &IV	English for Entrepreneurs III &IV	All the syllabus contents	Professional Ethics
	English					Professional Ethics
						Environment and sustainability

		B com F Y	I &II	Written and Spoken Communication in English I&II	All the syllabus contents	Environment and sustainability
						Environment and sustainability
						Environment and sustainability
Human Values	English	B A/B.Sc/B ComII	II	A course in communicative English	Prose	Environment and sustainability
Human Values					Preamble Fundamental Rights and Fundamental Duties	Importance of Democratic values in human life
					How to Tell Stories -Mark Twain	style of writing
					How much land does a man Need -Leo Tolstoy	Greed and materialism is harmful for human life
					The Doll House -Catherine Mansfield	Rich and poor life
					Memorial Address to Education ...-Matatma Phule	Imortance of education ,Mahatma Phule has defended downtrodden
					Poetry	
					O Captain ! My Captain -Walt Whitman	Patriotism
					The Leach Gathherer -William Wordsworth	Resolution and independence
					Hope is the Thing with feathers -Emily Dickenson	Human life and hope
					The conversation on Magshar Night -Dalpat Chahvan	Sordid life of dalits in Indian society
					Money Madness -D H Lawrence	Greedy nature of human being

					Prose	
					Importance of English	Professional Ethics
					Of Society and Civilization - Thomas Paine	Humanism
					My Greatest Olympic Prize Jesse Owens	Importance of friendship
					The Pleasure of Ignorance - Robert Lynd	Ignorance is boon for human life, Human Values
					The Lottery Ticket - Anton Chekhov	Human values ,
					The Gift of Magi by O Henry	Human Values
					Poerty	
					To my Daughter - Balamani Amma	Human Values
					Amalkanti - Narendranath Chakrabarti	Human Values
					Woman - Hira Bansode	Human Values
					And the dream Bird - Sudhanya Tripura	Human Values
					Spring - Ezra Pound	Human Values
Human Values	English	B A/B.Sc/B.Com m F Y	I	A course in communicative English	Prose	
					The Essence of Democracy - B R Ambedkar	democratic values , importance of democracy in India , Human Values
					Orpheus and Eurydice - William Byron Forbush	Greek myth , importance of love and our life parter, Human Values , Ethics
					A tribute to the Budhha - Maharaja Sayajirao Gaekwad	Teaching of human values , faith in religion , protection, Human Values
					Spoken English and Broken English - G.B Shaw	Human Values

					Sir Isaac Newton -Nathaniel Howthorne	Life story of scientist and his curiosity behind discovery
					Poetry	Communication Skills
					A Prayer to my Daughter -W B Yeats	Human Values
					The Toys -Covetry Patmore	Human Values
					Night of the Scorpion -Nissim Ezekiel	Human Values
					Prose	
					India's Message to the world - Swami Vivekanand	Human Values
					Are the Rich Happy -Stephen Leacock	careful observation of rich people and in reality they are not rich
					I have Dream -Martin Luther King Jr	Human Values
					Gold in the Graveyard -Anna Bhau Sathe	Human Values
					Potery	
					Stopping by Woods..-Robert Frost	Human Values ,Envionmental Issues
					The tiger and Deer -Shri Arbindo	Arrogancy of dominated people on Innocent people ,Human Values
Human Values	English	B A II	III	Paper V - Literature in English I		Professional Ethics
					Introduction to types of literature	Professional Ethics
					British Literature	Professional Ethics
					American Literature	Professional Ethics
					Indian	Professional Ethics
					All the world a stage by William Shakespeare	Human Values

					Give all to love by Ralph Emerson	Human Values
					Freedom -Rbrinath Tagore	Human Values
					Text for- Study Drama	Professional Ethics ,Humanism
					Comedy of Errors -William Shakespeare	Human Values
					Text for- Study Fiction	Human Values
					I lay Dying -William Flaukner	traditional iseas ,idea of family ,death
Human Values	English		III	Paper VI - Literature in English II	Types of Literature in English	
					Canadian Literature	Human Values
					Australian Literature	To undsertand Australian literature
					African Literature	Human Values
					Drama	
					Strong Breed -Wole Soyinka	Human Values
Gender			IV	Paper VII - Literature in English II		
					Duchess of Malfi -John Webster	Human Values
					Utopia -Thomas More	Human Values
			IV	Paper VIII- Postcolonial Literature	Tomb of Sand	Human Values
Professional Ethics	Commerce	I I B Com F Y	All Topics of the Syllabus	IT APPLICATION IN BUSINESS – II	All Topics of the Syllabus	Professional Ethics
				IT APPLICATION	All Topics of the Syllabus	Professional Ethics

				IN BUSINESS – II		
		B Com s y	III	IT APPLICATION IN BUSINESS - III	All Topics of the Syllabus	Professional Ethics
		B Com s y	III	Goods and Service Tax Account - I	All Topics of the Syllabus	Professional Ethics
		B Com s y	III	IT APPLICATION IN BUSINESS - IV	All Topics of the Syllabus	Professional Ethics
		B Com s y	IV	IT APPLICATION IN BUSINESS - IV	All Topics of the Syllabus	Professional Ethics
		B Com s y	IV	Goods and Service Tax Account - II	All Topics of the Syllabus	Professional Ethics
		B Com T Y	V	IT APPLICATION IN BUSINESS -	All Topics of the Syllabus	Professional Ethics
		B Com T Y	V	Management Accounting - I	All Topics of the Syllabus	Professional Ethics
		B Com T Y	VI	IT APPLICATION IN BUSINESS - VI	All Topics of the Syllabus	Professional Ethics
		B Com T Y	VI	Management Accounting –	All Topics of the Syllabus	Professional Ethics
		B Com F Y	I	Book keeping and Accountancy ,Meaning Scope ,Classification	All Topics of the Syllabus	Professional Ethics

		B Com F Y	I	Depreciation :Annuity method and practical	All Topics of the Syllabus	Professional Ethics
		B Com F Y	I	3 Hire Purchase ststem and installment system		Professional Ethics
		B Com F Y	I	Financial Accounting	1 Accounting Principles and Accounting standards 2 Accounting of Non Trading Concerns 3 Departmental Accounting Branch Accounts	Professional Ethics
		B Com F Y	I	Bussiness Mathematics & Statistics I	1 Introduction of Statistics ,Primary Data & secondary data Analysis ,Measures of Central Tendency ,Measures of dispersion Skeswness ,Matrices	Professional Ethics
			III	Bussiness Mathematics & Statistics I	Corelations ,Regression ,Indecx number ,Probability and expected value	It deals with develop reseaning ability and professional etyhics ,variations of Index
						It deals with professional and social ethics
		B Com II	III	Corporate Accounting I	Issue and Forfeiture of share ,Re-issue of forfeited share	It deals with Human value & Professional Ethics
					Redemption of Preference share	It deals with Human values and Professional Ethics
					Redemption of Preference share	It deals with Values and professional ethics
					Redemption of debentures	It deals with Human values and Professional Ethics
					Final Account of Joint stock company	It deals with Values and professional ethics
					Profit prior to Incorporation	It deals with Values and professional ethics

				Corporate Accounting I I	Amalgamation of Joint Stock Company	It deals with Values and professional ethics
					Absorption of Joint stock Company	It deals with Values and professional ethics
					Reconstruction of Joint stock Company	It deals with Values and professional ethics
					Accounts of Holding company (With one subsidiary)	It deals with professional and social ethics
					Liquidation of Joint stock Company	It deals with Human values and Professional Ethics
		B COM I Y	V	Advanced Financial Accounting I	Singale entry Ststem	It deals with Human values and Professional Ethics
					Final Accounts of Banking Company	It deals with Human values and Professional Ethics
					Final Accounts of Insurance Company	It deals with Human values and Professional Ethics
					Investment Accounts	
		B Com T Y	V	Advanced Financial Accounting I I	Indian Accounting Standard	
					Farm Accounting	
					Final Account of Local self Government	
		B Com T Y	VI	MSME Management (Elective)	MSME'S Envionment in India	It deals with Human value ,gender & Professional ethics
					Financial Management of MSME	It deals with Human value ,gender & Professional ethics
					Setting up of MSME's	It deals with Human value ,gender & Professional ethics

					Marketing & HR Management in MAME,S	It deals with Human value ,gender & Professional ethics
					Institutional Assistance for MSME	Professional Ethics
		B Com T Y	VI	Advertising & Media of Advertising	Advertising & Media of Advertising	Professional Ethics
					Concept of Salesmanship	
					Process of selling & Sales promotion	It deals with Values and professional ethics
					Advertising Media	It deals with Values and professional ethics
					Advertising Agencies	It deals with Social Values & Professional Ethics
					Characteristics , Significance and Scope of Business Economics , Objective of Business Firms	Professional Ethics
			II	Business and Industrial Economics	Indifference Curve , Consumer Equilibrium, Elasticity of Demand,	Professional Ethics
		B.Com. I			Demand forecasting Methods	Professional Ethics
					Market Structure SEBI, FEMA	Human values ,
				Paper V	Small and medium Enterprises	It deals with Professional ethics
		B Com F Y		Business Organization and Management	Liberalisation & Globalization Social Responsibility &Ethics	It deals with Professional ethics
					Small and medium Enterprises	
					Liberalisation & Globalization Social Responsibility &Ethics	It deals with Professional ethics
					Forms of Business Organisation ,	It deals with Professional ethics
					International business, MNC	It deals with Professional ethics

					Management Organisation	It deals with Professional ethics
					Leadership, Motivation , Control, MM, FM.	It deals with Professional ethics
						It deals with Professional ethics
		B Com F Y	II	Paper III	Unit 1: Cost Accounting	It deals with Professional ethics
				Cost Accounting	Unit 2: Elements of Cost	It deals with Professional ethics
			II		Unit3: Material	It deals with Professional ethics
					Unit 4: Labour	It deals with Professional ethics
				Paper Iv	Single or output costing	It deals with Professional ethics
				Cost Accounting	Contract costing	It deals with Professional ethics
		B Com F Y	II		Operating costing or service costing	It deals with Professional ethics
					Process costing	It deals with Professional ethics
					Reconciliation	It deals with Professional ethics
		B Com F Y	III	Auditing	Auditing	It deals with Professional ethics
					Internal Check System	It deals with Professional ethics
					Vouching	It deals with Professional ethics
					Audit of Limited Companies	It deals with Professional ethics
					Auditor of Computerised System	It deals with Professional ethics
				Paper III	Income from Salary	It deals with Professional ethics

				Direct Taxes	Income from House Property	It deals with Professional ethics
		B.com S Y	IV	(B.com III)	Income from Business	It deals with Professional ethics
					Income from other	It deals with Professional ethics
						It deals with Professional ethics
				Paper VII	Entrepreneur concept characteristics functions	It deals with Professional ethics
		B.com S Y		Entrepreneurship development (B.com I)	2.Entrepreneurship concept characteristics functions importance challenge barriers of Entrepreneurship	It deals with Professional ethics
					3. Originating Theory of Entrepreneurship Economic Theory sociological theory	It deals with Professional ethics
					4 Types of Entrepreneurship Sociopreneur Edupreneur	It deals with Professional ethics
				Paper VII		
				Banking	1.An overview of banking industry	
		B Com s y	III		2.Commercial Banking	
					3.Reserve Bank of India 4Modern Banking in India	It deals with Professional ethics
				Paper IV		
				Business Regulatory Framework	1The Indian Contract Act1872 2Special Contract 3Sale of Goods Act 1930 4 Consumer Protection Act 1986 5The Right To Information Act 2005	It deals with Professional ethics
				(B.Com T Y)		

				Paper		It deals with develop reasoning ability & Professional ethics
				Entrepreneurship Development II	1 Market Research	
		B Com F Y	II	(B.Com F Y)	2 Innovation In Entrepreneurship	It deals with social values & Professional ethics
					3 Entrepreneurship in 21st Century	
					3 Entrepreneurship in 21st Century	It deals with social values & Professional ethics
					4 New Trends in Entrepreneurship	It deals with social value & Professional ethics
				Paper VII		It deals with Professional ethics
		B Com s y	IV	Insurance	1 Introduction to Insurance	It deals with Professional ethics
					2 Life Insurance	It deals with Professional ethics
					3 General Insurance	It deals with Professional ethics
					4 Insurance Agency	It deals with Professional ethics
					5 Recent Trends in Insurance Sector	It deals with Professional ethics
						It deals with Professional ethics
						It deals with Professional ethics
				Paper		It deals with Professional ethics
				Business Regulatory Framework II	1 Negotiable Instrument Act 2002	It deals with Professional ethics
		B Com T Y	V			

					2 Company Act 2013	It deals with Professional ethics
					The Securities And Exchange Board of India Act1992	It deals with Professional ethics
					Intellectual Property Rights	It deals with Professional ethics
		I			5 Concepts Of Miscellaneous Business Laws	It deals with Professional ethics
						It deals with Professional ethics
Professional ethics	Geography	B.A. T.Y.		Practical Geography	Introduction of Instrumental survey	Field survey using Chain and Tape ,Plane table and Prismatic compass.
	Geography	B.A.F.Y.		Practical Geography	Conventional signs and symbols of Map	Map interpretation skills for tourists
	Geography	B A T.Y.		Geography of Environment	Conservation of Natural resources	Natural Resources
	Geography	B.A.S.Y.		Climatology	Global warming and Green house gases effect	Global Warming
	Geography	B.A.S.Y.		Oceanography	Oceanic Resources, Oceanic water pollution.	Water Pollution
	Geography	B.A.F.Y.	I	I Physical Geography	Lithosphere	Understand the Earthquake precautions during earthquake and after the earthquake.
	Geography	B.A.F.Y.		II Human Geography	Man and Environment relationship.	Awareness about environment
	Geography				Social Profile	Ethics, Social groups of India and World.
	Geography	B.A.F.Y.	I	III Geography of Landform	Evaluation of Landforms and Action of river, Glacier,Wind and Oceanic Waves.	It deals with Professional ethics
	Geography		III	VI Climatology	Role of Climate in Human life	To understand the importance of climate in our

						life and aware about climate change.
	Geography	B.A.S.Y.	III	VII Population Geography	Population growth, distribution, Composition and Migration	Create the sense about problems of over population. Create the approach to slow the population growth rate.
	Geography	B.A.S.Y.	IV	VII Oceanography		
	Geography	B.A.S.Y.	IV	VII Oceanography	Hydrosphere, Oceanic resources, physical and chemical features	Oceanic water pollution, importance of oceanic resource
	Geography	B.A. T.Y.	VI	IX Settlement Geography	Problems of Settlement	Spatial organization, Size and characteristics of settlement
	Geography	B.A. T.Y.	VI	XII Geography of Environment	Environment and man interrelation	Understand the importance of environment for survival of human beings.
	Geography	B.A. T.Y.	VI	XIV Agricultural Geography of India	Agriculture and its various aspects.	To understand the cropping pattern in India and Problems of Indian agriculture.
	Geography	B.A. T.Y.	VI	XV Geography of Natural Calamity	Disasters management	To create the sense about disaster management
	Geography	B.A. T.Y.	VI	XVI Biogeography	Ecological Aspects	ecosystem, importance
Human Values	History					Social Audit
	History	B A I	I	History of Marathas (1630-1707)	social structure position of women Peshawar period	Human Values
	History	B A I	I	History of Ancient India (beginning to 320A.D.)	Ashoka and his dhamm	Human Values

	History	B.A.T.Y.	V	Third battle of Panipat		Human Values
	History	B.A.T.Y.	III	Vardhan dynasty	Harshvardhan	Human Values
	History	B.A.S.Y.	IV	History of Mughal India (A.D.1526- A.D.1757)	religious and social life	Human Values
	History	B.A.S.Y.	V	History of early India (up to 300)	religious moment Jainism and Buddhism	Human Values
	History	B.A.T.Y.	VI	History of Delhi Sultanat (1200-1526)	economy and social life	Human Values
	History	B.A.T.Y.	V	Fields of history	archaeology, museology, tourism	Human Values
	History	B.A.T.Y.	V	Landmarks in the history modern world	French revolution	Human Values
	History	B.A.T.Y.	VI	History of India (A.D.1757-1885)	Socio-religious reform movement	Human Values
	History	B.A.T.Y.	VI	Glimpse of the history of Marathwada	Religious movement	Human Values
	History	B.A. paper no. II	I	History of modern Maharashtra (1818-1905)	Professional ethics	Professional ethics
	History	B.A. paper no.XIII	VI	Fields of history	Gender	Professional ethics
	History	B.A. paper no.XV	VI		Human values	Professional ethics
	History				Professional ethics	Professional ethics
	History	B.A. term paper no. IV		Twentieth century Maharashtra 1905 to 1960	Professional ethics	

	History	B.A. paper no. IV	IV	Maharashtra (1905- 1960)	Professional ethics	Professional ethics
	History	B.A.Paper no.V	II	History of early India (up to BC 300)	Professional ethics	Professional ethics
	History	B.A.Paper no.X	V	History of Indian National movement (1885 -1947)	Professional ethics	Professional ethics
	History	B.A. paper no.XIII	VI	Fields of history	Professional ethics	Professional ethics
	History	B.A. paper no.XV	VI	History of marathvada	Professional ethics	Professional ethics
	History	B.A. paper no.XV	VI	Fields of history	Professional ethics	Gender
	History	B.A. paper no.XV	VI	History of marathvada	Professional ethics	Professional ethics
				History of India	Professional ethics	Professional ethics
				(BC300 -AD 650)History of India (BC300 -AD 650	Professional ethics	Professional ethics
Human Values	Public Add.	B A I		Indian Administration	Constitutional Framework	Human values
Human Values	Public Add.	B.A.T.Y.		Human Resourse Deveopment	Meanings of human resourse Deveopment	Fundamental Rights and Fundamental Duties
Human Values	Public Add.	B A I		Introduction to public Administration	Basic Premiso	Value Education
Human Values	Public Add.	B.A.T.Y.		Public Policy and Deveopment	Deveopment	Informal Organisation +63
Envionment	Public Add.	B.A.T.Y.		Recent treds in Public Administration	Important Laws	Sustanable Deveopment

Environment	Public Add.	B.A.T.Y.		Administrative Thinkers	Elton Mayo	Environment Act 2013
Ethics	Public Add.	B.A.S.Y.		Personnel Administration	Problem of Personnel Administration	Ecological Approach
	Public Add.	B A F Y ,Paper I		Introduction to public Administration	Unit I 1.1 Meaning nature and scope of public Administration ,Importance and Evolution of Public Administration	Moral and Discipline
					Unit II Relation of public Administration with political Science ,Public Add and Private Administration	Unit I 1.Principles of Organisation
		B A F Y Paper II		Introduction to public Administration	Unit I 1.Principles of Organisation ,1 Hierchy ,2 Span of Control ,3 Uniy of Command	Professional Ethics
					Unit 2 .Principles of Organisation 2.1 Co - ordination ,Decision Making ,Unit IV ,Administrative Behaviour , 4.1 All India Service ,1.2 Central & State Service	Professional Ethics
	Public Add.	PA ,Administrative Thinkers			,Morale ,Discipline ,Corruption	Unit I 1.Principles of Organisation
		PA ,Administrative Thinkers		,Administrative Thinkers	Elton Mayo ,Howthorne Expeirment ,F W Riggs Ecological Approach and prismatic Society	It deals with Professional ethics
		B A T Y Health Administration in India ,XIV		Health Administration in India ,XIV	Detreminant of Health ,Safe Drinking Water ,Nutrition	

		BA TY XV ,Recent Trends in Public Adm.,Imp. Law		BA TY XV ,Recent Trends in Public Adm.,Imp. Law	Important laws ,Envionment Protection Act 1986	
		BA F Y ,Indian Administratio n		UNIT I Constitutional Framwork ,Fundamental Rights ,Derivates Principles of state Policy		Envionmenal
				Fundamental duties		
				UNIT II Union Government ,3 .1 Presedent ,3.2 Prime Minister ,3.3 Lok Sabha 7 Rajya Sabha	UNIT II Union Government ,3 .1 Presedent ,3.2 Prime Minister ,3.3 Lok Sabha 7 Rajya Sabha	
		BA FY PAPER IV ,Indian Administratio n		Unit II Union State Relation ,2.1 Legislation ,2.2 Execution ,Financial	Unit II Union State Relation ,2.1 Legislation ,2.2 Execution ,Financial	It deals with Professional ethics
					Unit IV Citizen State Inter face : 4.1 Right to Information ,4.2 Public Grivances ,Citizen Charter	It deals with Professional ethics
		PB A S Y		Panchayat Raj and Rural Deveopment	Panchayatraj system	It deals with Professional ethics
	Sociology	BAI F Y ,Paper I	I	Introduction to Sociology	Culture,Inquality ,social excusion	Humanism ,Human values
		BA F Y ,Paper III	II	Basic concepts in sociology	Social change	Humanism ,Human values

		BA F Y ,Paper IV	II	Transformation in Social Institution	Marriage Institution ,Family Institution	Humanism ,Human values ,Gender
		BAI F Y ,Paper II	II	Individual and Society	Individual and Society	Humanism ,Human values ,Gender
		BA S Y ,Paper IV	IV	Problems of Rural India	Institutional Issues	Human Values
					Women Violence	Profesional Ethics
					Rural Women status	Humsn Values
					Dowry	Professional Ethics
		BA S Y	III	Deveopment of Sociology	Deveopment of Sociology	Human Values
					Activities on Deveopment ,Susitanable Deveopment	Human Values
		BAIF Y ,Paper I	I	Social Institute	Contract Marriage	Human Values
					Intercaste Marriage	Human Values
					Live in Relationship	Human Values
				Individual and Society	Individual and Society	It deals with Professional ethics
	Home Science	BA T Y		Human Geography	Physical and social profile	Society ,culture and Socialisation
		B A F Y	I	I -Family Resource	Resource Management, Money	Social Values,
				Management	Management, Consumer Education	Environment and
			I	II-Food and	Food , Nutritional, significance of	It deals with Professional ethics
				Nutrition	Different Food Group, Nutrition,	It deals with Professional ethics
					Nutrients	It deals with Professional ethics
				III-Human	Human Development, The beginning of	Values, Environment and

				Development	new Life, Period of infancy to early	Sustainability.
				(Infancy and	childhood, Childhood Problems	Gender, Human, Social
				Childhood	childhood, Childhood Problems	Gender, Human, Social
						Values, Environment and
				IV-Textile and	Textile Fiber, finishing process methods,	Sustainability.
				Clothing (Clothing	clothing construction, Embroidery	Gender, Human, Social
				Constriction)		Values, Environment and
						Sustainability.
						Gender, Human, Social
						Values, Environment and
						Sustainability.
			I		I -Family Resource	Professional Ethics
					Management	Gender, Human, Social
				Food and Nutrition (	Weights & measure of raw & cooked	Values, Environment and
				Practical)	foods, Market price,Planning &	Sustainability.
					Preparation from food recopies ,nutrient	Gender, Human, Social
					rich recipe, Survey regarding, food	Values, Environment and
					packaging, labeling	Sustainability.
						Gender, Human, Social
				III-Human	Human Development, The beginning of	Values, Environment and
				Development	new Life, Period of infancy to early	Sustainability.
				(Infancy and	childhood, Childhood Problems	Gender, Human, Social

			Childhood)		
			IV-Textile and	Textile Fiber, finishing process methods,	Gender, Human, Social
			Clothing (Clothing Constriction)	clothing construction, Embroidery	Values, Environment and Sustainability.
			Textile and Clothing (Practical)	Basic stitches,Fabric Painting, Drafting, Cutting and stitching of the garments.	Gender, Human, Social Values, Environment and Sustainability.
		PB A S Y			
			V-Extension Education	Extension Education, Extension Models and Method, Community Organization,	Gender, Human, Social
			VI-Textile and clothing (Garment Designing and Printing)	Dyeing & printing, clothing management, Care of household clothing	Gender, Human, Social Values, Environment and Sustainability.
			Textile and Clothing (Practical)	Cloth Painting, Construction of Garments	Professional Ethics
					Gender, Human, Social Values, Environment and Sustainability.
			Child deveopment (Late Childhood and	Late Childhood, Parent and child relationship. Characteristics,	Gender, Human, Social Values, Environment and

			Adolescent)	developmental task, Problems in	Sustainability.
				adolescence	Gender, Human, Social
			VIII-Food and	Digestive system, Energy,Meal planning,	Values, Environment and
			Nutrition	Food preservation, Food poisoning	Sustainability.
			Food and Nutrition(	Planning and Preparation of diets, Salad	Professional Ethics
			Practical)	Decoration, Food Preservation, Food	Professional Ethics
				Adulteration	Professional Ethics
		B.A.T.Y	IX-Marriage and	Marriage and Family Dynamics,	Gender, Human, Social
			Family Dynamics	Adjustments, Parenthood, and family	Gender, Human, Social
				crisis,Laws related to women	Gender, Human, Social
					Values, Environment and
			X-Housing and	Housing, Lighting and Ventilation,	Sustainability.
			Interior Decoration	Furniture Arrangement, Home Furnishing	Values, Environment ,Human values
			Housing and Interior	Draw a House plan, Making curtan,	Values, Environment ,Human values
			Decoration (	Preparation of any decorative article	Gender, Human, Social
			Practical)		Values, Environment and
					Sustainability.
			XI-Nutritional	Healthand Nutrition,Food habits,Diet	Values, Environment ,Human values
			Management in	Therapy,Dietary management	Values, Environment ,Human values

				Health and Disease.		Values, Environment ,Human values
				Nutritional	Planning and preparation of therapeutic &	Values, Environment ,Human values
				Management in	modified Diet, preparation of diet,	Gender, Human, Social
				Health and Disease(	Regional cookery	Values, Environment and
				Practical)		Sustainability.
				XII-Project Work	Selection of research Topic,, Significance	Professional Ethics
					of the project , Objectives of the project.	Professional Ethics
				XIII-Human		
				Development	XIII-Human Development (Adulthood,&	Gender, Human, Social
				(Adulthood,&am p; Old	Old age)	Values, Environment and
				age)		Sustainability.
				XIV- Fundamentals	Introduction to foundation of Art, Colour	Professional Ethics
				of Art and Design	Scheme, Flower Arrangement,	Professional Ethics
				Fundamentals of Art	Color Schemes, Material used for flower	Gender, Human, Social
				and Design (	arrangement, Floor Decoration,	Values, Environment and
				Practical)	Preparation of Accessories for interior	Sustainability.
					Decoration	
				XV- Communication	Communication Process in Home Science	Gender, Human, Social
				Process in Home	Methods Communication, Leadership	Values, Environment and

				Science		Sustainability.
				XV-Communication	Communication Process in Home Science	Professional Ethics
				Process in Home	Methods Communication, Leadership	Professional Ethics
				Science		
						Gender, Human, Social
				Communication	Preparation and write up of Audio Visual	Values, Environment and
				Process in Home	Aids, Preparation of PowerPoint	Sustainability.
				Science (Practical	Presentation	
						Gender, Human, Social
				XVI-Project Work	Selection of research Topic,, Significance	Values, Environment and
					of the project , Objectives of the project,	Sustainability.
					writing of research project, Data analysis	
	Marathi	B A F Y		Marriage and Family Dynamics	Lawsfo women and family ,childmarriage,DomesticVoilence	Racial Ethical ,group,Tribal Group
				Natyatmak Sahitya	<i>Upare</i>	welfare of woman
					<i>Yatana Utsav</i>	life of old people
					<i>Fatlela Patang</i>	Description of explioted society and downtrodden society ,their pathetic condition
	Marathi	BA T Y			<i>Chingi Mahinyachi Zali ho</i>	futility of human pride
				Madhyayugin Marathi	Sant Chokhamela	Dreamysituation of human mind

			Vangmayacha Itihas		
				Sant Janabai	Manavmukticha Itihas
				Sant dnyaneshwar	Revolutionary thoughts about women
				Sant Namdev	massage to humanity
				sant Tukaram	Teaching of humanis through Bhagwat Samprday
					Importance of Nature
	Marathi	B. A .F. Y .SL		<i>Sant Ramdas Swami</i>	
			भारतीय भाषा : मराठी - (भाग - 1)(मायबोली) Poetry -Sem I	१) वचन	Importance of Nature, humanism
				२) इयें मन्हाठिचिये नगरी	महात्मा बसवेश्वर यांच्या वचन साहित्यातून समतावादी विचार अभिव्यक्त होतात. Humanism
				३) अवघा रंग एक झाला	संत ज्ञानेश्वरांनी आपल्या अभंगाच्या माध्यमातून मराठी भाषेचे महत्त्व सांगितले आहे. Professional Ethics
				४) पतित तू पावना	संत सोयराबाई यांनी आपल्या अभंगातून भक्त आणि भगवंत यांच्यातील नाते उलगडून दाखविले आहे. Human Values
				५) बाजार	पांडुरंग किंवा विठ्ठल पतित पावन आहे. Humanism
				६) चित्त शुध्द तरी	बाजार या भागातून संत एकनाथांनी संत संगतीचे महत्त्व वर्णन केले आहे. Human Values

					ईश्वर प्राप्तीसाठी व्यक्तीचे अंतकरण शुद्ध असावे हा भाव तुकाराम व्यक्त करतात,Humanism
				७) चंदनाचा संग लाधलिया वृक्ष	संत बहिणाबाई यांनी प्रस्तुत अभंगातून संत संगतीचे महत्त्व विशद केले आहे.Humanism
				८) फटका	शाहीर अनंत फंदी आपल्या फटक्यातून सर्वसामान्य माणसाला जीवन जगताना सदवर्तन आणि जगा असा उपदेश करतात.Humanism
				९) तयास मानव म्हणावे का?	सावित्रीबाई फुले आपल्या कवितेतून विद्येचे महत्त्व विशद करतात.Humanism
				१०)आम्ही कोण	केशवसुत आपल्या कवितेतून कवी आणि कलावंत यांच्या स्वातंत्र्याचा उद्घोष करतात.Humanism
				११) देव दिसला,देव कुठे?	देव किंवा ईश्वर प्राप्त करून घेण्यासाठी मानवी जीवनात त्याग महत्त्वाचा आहे.Humanism
Human Values				१२) फुलराणी	कवी बालकवी यांनी फुलराणी वर चेतनागुणोक्ती अलंकाराच्या माध्यमातून कळीचे फुलात होणारे रूपांतर अनोख्या पद्धतीने व्यक्त केले आहे.Environmental Issues
Marathi				भारतीय भाषा: मराठी -(भाग-1)(मायबोली) Prose -Sem I	मराठी ग्रंथकार सभेस पत्र

Human Values					स्त्री -पुरुष तुलना	सामाजिक क्रांतीचे जनक महात्मा ज्योतिराव फुले शूद्र - अतिशूद्रांच्या विकासाचा ध्यास आपल्या लेखनातून नेहमी घेतात.Humanism
					शील व सौजन्य	ताराबाई शिंदे आपल्या विवेकनिष्ठ भूमिकेतून भारतीय संस्कृतीवर असून ओढण्याचे काम करतात. स्त्री पुरुष समानतेचा आग्रह धरतात.Women Empowerment
					कला व जीवन	बाबासाहेब आंबेडकर आपल्या भाषणाच्या माध्यमातून मानवी जीवनातील शील व सौजन्य यांचा पुरस्कार करतात.Humanism
					डोळे	मानवी जीवन सुंदर मधुर आनंदी करण्यासाठी व्यक्तीने कला जोपासली पाहिजे, अशी शिकवण साने गुरुजी देतात.Huaman Values
				भारतीय भाषा: मराठी (भाग-२) (मायबोली) Poetry-Sem. II	1.या झोपडीत माझ्या	अण्णाभाऊ साठे आपल्या कथेतून 'गीता' या नायिकेची शोकांतिका व्यक्त करतात.Human Values
	Marathi				2.प्रार्थना	मानवी जीवनात भौतिक सुखापेक्षा आत्मिक सुख महत्त्वाचे आहे असा उपदेश

					तुकडोजी महाराज आपल्या कवितेतून करतात.
				3. भीमा, तुझ्या मताचे	मानवी जीवनामध्ये महापुरुषांच्या विचारानुसार प्रत्येकाने आचरण करावे, अशी अपेक्षा कवी कुसुमाग्रज आपल्या कवितेतून करतात.Humanism
				4. सांगा कसं जगायचं?	वामनदादा कर्डक यांनी आपल्या गीतातून डॉ बाबासाहेब आंबेडकर यांच्या विचारांवर आधारित जीवन जगण्याचा सल्ला दिला आहे.Humanism
				5. आल्या जुळून तारा	जीवन जगत असताना प्रत्येकाने सकारात्मक दृष्टिकोन स्वीकारून जीवनावर समरसून प्रेम करावे व आनंदी जीवन जगण्याचा संदेश अभिव्यक्त केला आहे.Humanism
				6. समाधान	सुहासिनी इलेंकर आपल्या कवितेतून निसर्ग प्रतिमांच्या माध्यमातून विरह जाणीव अतिशय सयंत स्वरूपात आपल्यासमोर मांडतात. मांडतात,Environmental Issues
				7. जीवनाचा शोध घेताना	कवीने बहुजनांची आणि शेतकऱ्यांची मुलं राजकारणात गेली उच्च पदावर गेली याबद्दल

					समाधान व्यक्त केले आहे.Human Values
				8. शिकवण.	कवीने आपल्या कवितेतून निसर्गातील समानता या सूत्रावर लक्ष केंद्रित केले आहे.Human Values
				9. कळा सोसतांना.	कवी आपल्या कवितेतून महिलांच्या प्रगतीचा आणि त्यांच्यावर होणाऱ्या संस्कारांचा प्रांजळपणे विचार करतो आहे .Women Empowerment
				10. जीवाचा आटापिटा.	या कवितेतून कवी जगदीश कदम निर्मितीचा आनंद व्यक्त करतात.Human Values
				11. बाप म्हणायचा.	जीवन जगत असताना जात धर्म पेक्षा मानवता धर्म हाच श्रेष्ठ आहे, ही शिकवण या कवितेतून मिळते.
				12. युद्ध.	या कवितेतून शेतकरी बापाच्या विशाल मनाचे दर्शन घडते. बापाची राणी मात्रा विषयी असणारी आपुलकी आणि मुलावर करण्यात येणारे नीती संस्कार यावर भाष्य केले आहे.
			भारतीय भाषा: मराठी (भाग-२) मायबोली. Prose.Sem II		कवी आपल्या कवितेतून राष्ट्रीय एकात्मतेचा आग्रह धरतात.
				ज्ञात -अज्ञात अहिल्याबाई होळकर	

					खोप	या लेखातून अहिल्याबाई होळकर यांच्या कार्यशैलीवर प्रकाश पडतो. लोक कल्याणासाठी त्यांनी केलेला राज व्यवहार याचेही दर्शनी आपणास होते. Humanism
					बिनदरदी	या कथेतील लक्ष्मण हा शेतकरी आणि त्याच्या जीवनाची शोकांतिका यावर लेखकाने प्रकाश टाकलेला आहे. Humanism
					क्लोरोफिल	या ग्रामीण कथेतून चुकीच्या उपचारामुळे बैलाचा झालेला मृत्यू, जनावरांच्या सरकारी दवाखान्यातील डॉक्टरांची विकृत मानसिकता यांचे दर्शन घडते.
					निश्चळ डोंगरगाव, प्रेमळ माणसं.	संशोधन देण्यासाठी वाहून घेतलेल्या संशोधक आणि त्याचे पर्यावरणवादी विचार आपल्या प्रत्याला येतात.
				निवडक कथा (कथार्थ)	लॉरी बेकर	प्रस्तुत उताऱ्यातून अनाथ व्यक्तीला आधार देणाऱ्या प्रेमळ माणसांचे चित्रण आलेलं आहे.
				निवडक कथा (कथार्थ)		Importance of Cleanliness in Human Life
					मला नको जा बायको.	
					चैज	मोरयाच्या वर्तनातून विनोदातून सांस्कृतिक मूल्य जोपासण्याचा

					प्रयत्न दिसून येतो.Human Values
				पानबळी	चैत्र या कथेतून भारतीय संस्कृती आणि महिलांची मानसिकता प्रत्ययाला येते.Women Empowerment
				अल्पभूधारक.	दुष्काळ पडल्यानंतर पाण्याअभावी नवीन जीवाचा बळी कसा जातो याचे वर्णन येते.Envionmental Issues
				शल्य	चिंतामण आणि शेवंता या अल्पभूधारक शेतकऱ्याची जीवन व्यथा या कथेतून जाणवते.Human Values
				जाणीव.	ज्योती, ही आपल्या बाळाला वाचवू शकत नाही.
				शिक्षण बॉब मारतय.	अमित आणि प्रियंका यांचे भाव विश्व उलगडून दाखविले आहे.
				मेंदूची बाळ.	भारतीय संस्कृतीत जातीयतेच्या नावाखाली होणारा नवशिक्षितांचा कोंडमारा मारा व्यक्त केला आहे.
				रडणारी म्हातारी संध्याकाळ.	वैज्ञानिक दृष्टिकोन रुजविण्यासाठी प्रयत्न केलेला आहे.
				विद्रोह	हिंदू आणि मुस्लिम संस्कृती विषयी भाष्य केले आहे.

	Marathi					भंगी या जमातीच्या चित्रणातून स्वातंत्र्य आणि समता या मंत्राचा पुरस्कार केला आहे.
				निवडक ललित गद्य. (ललित गंध)		
					पैस.	Human Values
					गांधी आमचा कोण लागतो?	भारतीय संस्कृतीत असणारे संत ज्ञानेश्वरांचे महत्त्व आणि कार्य अधोरेखित केले आहे.Humanism
					विघ्न संतोषी.	महात्मा गांधींच्या विचारांचा जागतिक प्रभाव नोंदविलेला आहे.Humanism
					महाविद्यालयातील विद्यार्थ्यांस पत्र.	डॉक्टर थॉमस यांचे आत्महत्या विषयक कार्य नमूद केले आहे.Humanism
					वन्यजीव निरीक्षणाची किमया.	महाविद्यालयीन जीवन जगत असताना कोणते गुण संपादन केले पाहिजेत, याविषयी भाष्य केले आहे.Humanism
					औरंगाबाद: महाराष्ट्रातील दिल्ली.	Humanism
					अरण्यातील आत्मभान.	औरंगाबाद शहराची ऐतिहासिक ओळख आणि सांस्कृतिक मूल्य आपल्यासमोर ठेवली आहेत.Humanism
					आपली फुलण्याचीही आणि फुलवण्याचीही क्षमता ओळखू.	महाविद्यालयीन शिक्षक आणि विद्यार्थी यांच्या नात्यावर प्रकाश टाकलेला आहे.Humanism

					यशवंतराव: साधे, सुसंस्कृत,मायाळू-	जीवन जगत असताना आत्मविश्वास आणि सकारात्मक दृष्टिकोन खूप गरजेचा आहे.Humanism
					बा शेतकऱ्या उठ!-	महाराष्ट्राचे पहिले मुख्यमंत्री यशवंतराव चव्हाण यांचे कार्य आणि प्रेरणादायी व्यक्तिमत्व उलगडून दाखविले आहे.Human values
						साने गुरुजींनी या लेखातून शेतकऱ्यांच्या प्रश्नावर विचार मंथन केले आहेHumanism
Professional Ethics	Marathi	प्रथम वर्ष opt पे I		अभंग अविष्कार	संत ज्ञानेश्वर , संत नामदेव, संत गोरा कुंभार, संत सेना न्हावी, संत चोख मेला,संत जनाबाई,संत एकनाथ, संत तुकाराम	Human values
Human Values		प्रथम वर्ष opt पे I		निवडक मराठी आधुनिक कविता	ना.धो.महानोर, अनुराधा पाटील, इलाही जमादार प्रज्ञा दया पवार,श्रीकांत देशमुख,सौमित्र कल्पना दुधाल	संताच्या चळवळी णे तत्कालीन समाजाच्या पारलौकिक कल्याणाची भूक शमवून समाजात समता,सदाचार रुजविला. सर्वच संतानी धर्मसुधारक आणि समाजसुधारक म्हणून कार्य केले.कविता ही समाजाच्या कळवल्याचे आणि समाजोद्धाराचे एक साधन होती,Human Values

		द्वितीय वर्ष opt पे 4	आधुनिक मराठी वांगमयचा इतिहास	धार्मिक प्रभोधानाच्या चळवळी, महात्मा फुले निबंधमाला	व्यक्ती आणि समाज या दोन्ही स्तरावरील मानवी संवेदनशीलतेला अस्वस्थ करणाऱ्या समकालीन वास्तवाचे अंतरंग उसवणारी काव्यात्मक अभिव्यक्ती या कवितांच्या केंद्रस्थानी आहे. भोवतालचे भावविश्व त्याची पडझड,विस्कात्लेपण,मानुस्पना चा झगडा स्त्रीत्वाचा आत्मशोध कृशियन्य संश्रीती व जगण्याला व्यापणाऱ्या महानगरीय जाणीवा ,Empowerment
		द्वितीय वर्ष opt पे 7	आधुनिक मराठी वांगमयचा इतिहास	नात्यावानमय स्वरूप,काव्य,चरित्रे,आत्मचात्रीत्रे	धार्मिक प्रभोधानाच्या चळवळीने समाजातून जागृत झाले. तत्कालीन मराठी जनतेत राष्ट्रभिमान, स्वदेश, स्वधर्म, स्वभाषा विषयी जागृती निर्माण करण्यात आली. फुलेनी बहुजन समाजाच्या उद्धारासाठी लढा उभारला.मानव मुक्तीचे नवे पर्व सुरु झाले स्त्रीशिक्षण पाया रचला स्त्री पुरुष समानता अस्पृशता निवारणाचे कार्य
		द्वितीय वर्ष SL पे 3 & 4	गद्यपद्य व उपयोजित आकलन मराठी	चिपाड, मिर्गीपेर, गायरान, भूक, पाचाट्या मुलखले, छत्रपती शिवाजी महाराज कार्य व स्वरूप, बिरसा, निष्कर्ष, मरणान डाव साधला नशिबान हात दिला	नाटकाच्या मधून तत्कालीन सामाजिक प्रश्नांचा उहापोह स्त्रियांचे प्रश्न त्याची उकल, जुन्या चालीरीतेचे दुष्परिणाम,

					फार्स,स्वातंत्र्य समता बंधुता यांचा उद्धोष
		तृतीय वर्ष पे.10	भाषा विज्ञान	भाषेची वैशिष्ट्य, मानव व प्राणी, भाषेतील फरक, भाषेच्या विविध बोली व त्याचे स्वरूप.	माणूस व माती ,पाणी उत्कट नाते निसर्ग हसला तरच माणूस हसतो ग्रामीण जीवन दैनंदिन सुखदुखे हळवे क्षण तीव्र स्वर या सर्वांचे माती पाणी व माणूस यांच्याशी नातेशिवरायांनी वृक्ष संवर्धन व जलाशयाचे महत्व प्रतिपादन केले
		तृतीय वर्ष पे.14	व्याकरण आणि निबंध	वाण्मयीन निबंध लेखन	मराठीच्या विविध बोली हे प्रमाण भाषेचेच एक सर्वांग सुंदर रूप आहे बोलीचे रूप जाणून घेवून त्याचा आदर करावा बोलीत किंवा भाषेत श्रेष्ठ कानिष्ठत्व माणू नये. सर्व बोली म्हणजे भाषा भगिनी आहेत.
Enviornment & Sustainability		तृतीय वर्ष पे.11	मध्ययुगीन मराठी ,वाण्मयाचा इतिहास	वारकरी संप्रदाय व त्यांचे कार्य	निबंधाच्या विविध विशायामधून मानवी मूल्यांचे संस्कार करता येतात Human Values
		तृतीय वर्ष पे.15	मध्ययुगीन मराठी ,वाण्मयाचा इतिहास	संत ज्ञानेश्वर,संत जनाबाई, संत रामदास, सावता माली, नरहरी सोनार.	संत रामदास स्वामिनी जलाशय उप्वानाचे महत्व प्रतिपादन केले आहे.Human Values

						वृक्षवल्ली आम्हा सोयरे वनचरे, संत तुकाराम, मोरोपंतांच्या केकावालीचे सौंदर्य शाहिरी रचनेतील निसर्ग सौंदर्य समाज जीवन दर्शन लोकजागरण लोकरंजन समन्वय.Environmental Issues
Human Values	Hindi	BA T Y Opt	V & VI	Pradeshik Bhasaha Sahitya	<i>Paraya -Lakshman Mane</i>	
		BA T Y Opt	V & VI	Madhykalin Kavita	<i>Sant Namdeo ,Pad</i>	Depiction of Lower caste
					<i>Sant Surdas ke Pad</i>	Devotion ,ethic ,human values ,devotion
					<i>Sant Tulsida Pad</i>	Vatsalya ,bhakti ,love ,v
						Bhakti ,Rambhakti ,Hanuman Stuti
Professional Ethics		B A F Y opt	I	Aadhunik Kavita Paper	<i>Viro ka kaisa vo vasant</i>	Professional Ethics
						Depiction of fearless women in India
		BA,BSc,Bcom F Y SL		Samanya Hindi	Pus ki Rat -Premchanu	Humanism
					Mamata -Jayshankar Prasad	Humanism
					har ki jit -Sudarshan	depiction of Love ,devotion,nonviolence ,sacrifice ,humanism
					Tisari Kasam -Faneshwar Renu	Humanism
					Aarda -Mohan Rakesh	selfless love
					Aarda -Mohan Rakesh	Humanism
						Humanism

Professional Ethics		B A F Y opt		Hindi kavita	<i>Viro ka kaisa vo vasant</i>	
				Mdhyayugin kavita	Kabir ke dohe	Depiction of fearless women in India
				Kavi RAHIM	Sant mirabai	Humanism
					Kavi RAHIM	Humanism
					Makhanlal Chaturvedi ,Pushp ki ABHILSHA	Ethics ,
					Maitheli Sharangupt ,Shiksha Ki Aavastha	Patritism ,pride of nation ,sacrifice devotion
Professional Ethics		B A S Y opt		Kathetar Gadya	Ramvruk Dini puri ,Rihayee	Condition of Indian education system ,human values
					Rmkumar Varma ,MAHATMA Gandhi	Patriotism
				Dirghotrari Kavita	Bhumija khand	Human Values ,morals ,ethics
Professional Ethics		B A S Y	II & IV	Paper V Kathetar Gadyasahitya & Aadhunik Hindi Kavita	Gadyaprabha -Dr Aalok Gupta	Human Values ,morals ,ethics
					1 Tyagmurthi Nirala -Shivpujan Sahay	Human Values ,morals ,ethics
					2 Huean Sang -AA Ramchandra Shukla	Human Values ,morals ,ethics
					3 Bharatiy Sanskruti -Dr Rajendra Prasad	Human Values ,morals ,ethics
					Vi charo kee sammukh ek Nai Samsya -Aa Narendra Dev	Human Values ,morals ,ethics
					5 Jivan ka Vyavsay -Mahadevi Varma	Human Values ,morals ,ethics
					6 Fanishwarnath Renu -Nagarjun	Human Values ,morals ,ethics
					7 Holi aur Onama -Dr N E Vishwanath Aayyar	Human Values ,morals ,ethics
					8 Ve Bahadarise Bike -Harisankar Parsai	Human Values ,morals ,ethics

				9 Jaunpur ka ek Asadharan Purush - Amrutlal Nagar	Human Values ,morals ,ethics
				10 Sukha -Kashinath Singh	Human Values ,morals ,ethics
				11 Nadiya Gahri Nav Purani - Amrutlal Vegad	Human Values ,morals ,ethics
				12 Amliy Varsha -Vishvvyapi Khatara - N Manivaskam	Human Values ,morals ,ethics
				Gadygaurav -I Ra Swami	Human Values ,morals ,ethics
				1 Banasidas Chaturvedi - Hajariprasad Dvivedi	Human Values ,morals ,ethics
				2 Ramvrukshabenipuri -Rihai	Human Values ,morals ,ethics
				3 Ramkumar Varma -Mahatma Gandhi	Human Values ,morals ,ethics
				4 Kahnyalala Mith Prabhakar - Shahadat Jindagi ke Prabhav me	Human Values ,morals ,ethics
				Mahadevi Varma -Nirala Bhai	Human Values ,morals ,ethics
				6 Aamrutlal Nagar -Yashpal Bada thos Aadami Hai	Human Values ,morals ,ethics
				7 Harishankar Parsai -Muktibodh	Human Values ,morals ,ethics
					Human Values ,morals ,ethics
				Chunihui Hindi ki Lambi kavitaye - Govind Prasad	Human Values ,morals ,ethics
				1 Aasu -Jayshankar Prasad	Human Values ,morals ,ethics
				2 Bairagi Aaya hai gao - -Liladhar Mandloi	Human Values ,morals ,ethics
				3 Ek Shabad Tinaka -Udayprakash	Human Values ,morals ,ethics
				4 Aamar Koli -Liladhar Jugadi	Human Values ,morals ,ethics
				Bhimija -Vaidyanath Mishr Nagarjun	Human Values ,morals ,ethics
			V & VI	Sahityashastra I	Professional Ethics ,Human values 'Sustanability
Professional Ethics		B A T Y		Sahity ka Sawrup ,Hetu ,Prayojan ,Shabdshakti ,Rasvichar	Professional Ethics ,Human values 'Sustanability

						Professional Ethics ,Human values 'Sustanability
					Sahityashastra II	Professional Ethics ,Human values 'Sustanability
					aAlankar ,Chhand ,Aalochana Swarup aur Bhed	Professional Ethics ,Human values 'Sustanability
						Professional Ethics ,Human values 'Sustanability
Professional Ethics		B Com S Y	III & IV	Sampreshanmulak Vyavsayik Hindi - Madhav Sonttakke		Professional Ethics ,Human values 'Sustanability
					Bhasha aur Bhasha Shikshan	Professional Ethics ,Human values 'Sustanability
					Prayojanmulk Bhasha Aur Hindi	
					Vyavsay Sampreshan	Human Values ,morals ,ethics
Professional Ethics		B A T Y	V & VI	Hindi Sahitya Itihas Lehan Strot yovam Parampara	Aadikal	Professional Ethics ,Human values 'Sustanability
					Bhakti	Professional Ethics ,Human values 'Sustanability
					Ritikal	Professional Ethics ,Human values 'Sustanability
						Human Values
Professional Ethics		B A T Y	V & VI	Aadhunik Hindi Sahityaka Itihas	Kavya SAHITYA	Human Values
					All the contents of Syallabus	
					Gadhya Sahitya	Human Values
					All the content of the syallabus	Professional Ethic
						Gender ,Human Values
Professional Ethics		B A T Y	V	Pradeshik Bhasha Sahitya	Shanti -V S Khandekar	Human Values ,morals ,ethics
					All the contents of Syllabus	Human Values ,morals ,ethics
					Katha Dvadshi	Human Values ,morals ,ethics
Professional Ethics		BA F Y	I	Samanya Hindi S.L.	All the contents of Syllabus	
			II		Padya Sahitya	Human Values

					All the contents of syllabus	Human Values
Professional Ethics		B Com F Y	I	Samanya Hindi	Katha Dvadashi	Envionmental contents
					All the contents of syllabus	Human Values ,morals ,ethics
					Pdya Sahitya	Professional Ethic
						Human Values
					All the contents of syllabus	Human Values ,morals ,ethics
						Human Values ,morals ,ethics
Professional Ethics		B Sc F Y	i	Samanya Hindi	Katha Dvadashi	Professional Ethic
					All the content of syllabus	Gender
						Human Values
Professional Ethics		B A F Y	I	(opt) Hindi paper II	Aadhunik Kavita	Human Values
					All the contents of syllabus	Humanism
				(opt) Hindi Paper IV	Padya Parimal	Professional Ethic
			II	Madyayugin Kavita		Gender
						Human Values
						Envionment
						Sustanability
		B			Vanijya Vyavsay Aur Hindi	Human Values ,morals ,ethics
Professional Ethics	Political Science	BA F Y ,Paper I	I	Principles of Political Science	Political Science ,Meaning ,Nature, Scope	
Professional Ethics					State ,Government ,Sovereignty	Priciples of Political Science
		BA S Y Paper III	I	Indian Government and Politics	Indian Constitution	Types of Governement
					Constitutional Provision	Human Values in Cnstitution ,Freedom ,Fraternity ,Equality
					Union Government	Humanism
Professional Ethics		BA S Y ,Paper III	I	International Relations	International Relations	Mechanism of Government

					India's Foreign Policy	Ethics in International Relations
Professional Ethics		BA S Y Paper IX		Indian Political Thinkers	Raja Ram Mohan Roy	Human Approach and Ethics in Indias Foreign Policy
Professional Ethics					Dayanand Sarswati	Humanism
Professional Ethics					Mahatma Gandhi	Humanism
		BA FY PAPER II	I	Genral Psychology	Basic Concepts of Psychology	Human Values ,morals ,ethics
					1 The science of psychology	Human Values ,morals ,ethics
Professional Ethics	Psychology	BA F Y ,Paper I	I	Introduction to psychology	2 Sensation and Perception	Ethics
					3 Learning	Gender
					4 Memory	Human values
						Environment and sustainability
		BA F Y ,Paper I	I	Bio Psychology	1Introduction to biopsychology	Professional Ethics
					2Brain and its Function	Ethics
					3Organization of Nervous Systems	Gender
					4 Endocrine System	Human values
						Environment
		BA F Y ,Paper I	II	Psychology of Individual Difference	1 Intelligence	and sustainability
					2 Personality	Human Values ,morals ,ethics
					3 Motivation and Emotion	Ethics
						Gender
				Introduction to	1) Definition of Counseling Psychology	Human values
		B A T Y	V	Counselling	2) Building counseling relationship	Environment and sustainability
					3) Working in a counseling relationship	Human Values ,morals ,ethics
					4) Termination of counseling relationship	Human Values ,morals ,ethics
		B A T Y	VI	Counseling In Action	1)Theories of counseling	Ethics
						Gender

					2) The Importance of Career counseling	Human values
					3) Marriage, Couple and Family Counseling	Environment and sustainability
					4) College Counseling and student life	Human Values ,morals ,ethics
					Counseling	Human Values ,morals ,ethics
Professional Ethics	Botany	B.Sc.S.Y	III	Plant Ecology	Plant and environment	
					Climatic factors a) Light as an ecological factor, b)Temperature as an ecological factor c) Water as an ecological factor, physicochemical properties of water	1 .Knowledge and importance of environmental factors. And their effect on plant growth.
					Edaphic factor -Soil formation -soil profile, physicochemical properties of soil, major soil types of India, soil erosion and soil conservation	2 .Introduce students with soil erosion and conservation methods.
					Unit:2 Response of plants to water	3 . Study of different types of ecosystems present in nature.
					Morphological, physiological and anatomical response of plants to water –hydrophytes, xerophytes, halophytes and epiphytes	4. Creates Environmental consciousness
					2. Phytogeography:	
					Bio geographical regions of India, vegetation types of India	2.Environmental awareness
					Community characteristics - frequency, density, life forms,biological spectrum	2.Environmental awareness

					Ecosystem:	2.Environmental awareness
					structure -biotic and abiotic components, food chain, food web	2.Environmental awareness
					Ecological pyramids, energy flow, biogeochemical cycles- nitrogen and phosphorus	1.Information about concept of biodiversity , types, threats to biodiversity and conservation methods
		B.Sc.T.Y	v	Diversity of Angiosperms I	Unit: 1	2.Environmental awareness
					1. Biodiversity	2.Environmental awareness
					Definition, concept, origin and evolution	2.Environmental awareness
					evolution 2. Types of biodiversity	
					Species, genetic, ecological, cropland and agricultural diversity;biodiversity in India; endemism and hot spots; threatened species,	2.Environmental awareness
					threats to biodiversity	
					3. Conservation of biodiversity	2.Environmental awareness
					Major causes for loss of biodiversity, listing of threatened biodiversity;	2.Environmental awareness
					threatened categories – extinct, endangered, vulnerable, rare and indeterminate.	2.Environmental awareness
					Conservation measures: – ex-situ, and in-situ; biodiversity conservation in India	
						2.Environmental awareness
						2.Environmental awareness

Professional Ethics	Physics	B Sc T Y Paper XX,VI		PAPER XX: Non-conventional energy sources and Optical fiber(Phy-306)	Chapter1. Non-conventional energy sources	2.Environmental awareness
Environment & sustainability					Introduction, Biomass, wind energy, tidal energy/Ocean energy, geothermal energy, biogas hydro energy, wind energy, solar energy , Biogas plant-fixed dome type	2.Environmental awareness
					Wind energy: Introduction to wind energy, terms and definition: wind, wind farm, wind turbine, vertical axis wind turbine (VAWT), horizontal axis wind turbine (HAWT), propeller (wheel), wind mill,types of wind turbines generator units, monoblade HAWT, twin blade HAWT, merits and limitation of wind energy.	Sustainable deveopment
						Professional Ethics
						Enviornment Issues
				Chapter 2.Solar Photovoltaic Systems	Chapter 2.Solar Photovoltaic Systems	Professional Ethics
					Introduction to photovoltaic systems, Solar Cell fundamentals: i) Semiconductor, ii) P-N junction, iii) Generation of electron-hole pair by photon absorption, iv) I_V characteristics of solar cell	Professional Ethics

				Chapter 2.Solar Photovoltaic Systems	Chapter 2.Solar Photovoltaic Systems	Environment Issues
						Environment Issues
Green Chemistry	Chemistry	M.Sc. S.Y.		CHEO 423: Lab Course (Organic Chemistry)	CHEO 423: Lab Course (Organic Chemistry)	2.Envornmental awareness
Constitutional Values		B.Sc. F.Y. and M.Sc. F.Y.		Introduction to the Indian Constitution	CHEO 423: Lab Course (Organic Chemistry)	Preparations involving one stage based upon the green synthetic protocol
						Constitutional values


प्रचार्य

Principal
N.S.S.R.(N.) Mrs.Kesharbai
Sonajirao Kshirsagar Alias Kaku
Arts, Science and Commerce
College, Beed.



**DR. BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY,
AURANGABAD [M.S.] INDIA.**



CIRCULAR/SYLL/CONSTITUTION OF INDIA/ I Yr/2020.

It is hereby inform to all concerned that, the Academic Council at its meeting held on 31st December, 2019 **has accepted the Curriculum of "Constitution of India" at First Year College level as per Appendix-'A'.**

This is effective from the Academic Year 2020-21 and Onwards.

All concerned are requested to note the contents of this circular and bring notice to the students, teachers and staff for their information and necessary action.

Encl.: - Syllabus,

University campus,

Aurangabad-431 004.

Ref. No. SU/Con./I Yr/Cur./

2020/ *7416-25*

Date: 28.01.2020.

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[Signature]
**Deputy Registrar,
Academic [Syllabus]
Section.**

Copy forwarded with compliments to:-

- 1] The Principals, all affiliated Colleges,**
Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.
- 2] The Director, University Network & Information Centre, UNIC, with a request to upload this Circular on University Website.**

Copy to :-

- 1] The Director, Board of Examinations & Evaluation,
 - 2] The Section Officer, [B.A. Unit] Examination Branch,**
 - 3] The Section Officer, [Eligibility Unit],
 - 4] The Programmer [Computer Unit-1] Examinations,**
 - 5] The Programmer [Computer Unit-2] Examinations,**
 - 6] The In-charge, [E-Suvidha Kendra],
 - 7] The Public Relation Officer,
 - 8] The Record Keeper,
- Dr. Babasaheb Ambedkar Marathwada University, Aurangabad

--**--

DR. BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY, AURANGABAD.

**COMPULSORY COURSE TO THE UNDER GRADUATE STUDENTS OF AFFILIATED
AND CONDUCTED COLLEGES OF UNIVERSITY**

[Subject Code: IIC 001]

02 Credits

AN INTRODUCTION TO INDIAN CONSTITUTION

Unit I

1. Meaning and Concept of Indian Constitution
2. Nature of Constitution
3. Brief Idea of Indian Constitution
[Parts, Articles and Schedule]

Unit II

Silent Features of Indian Constitution

1. Written and Enacted Constitution; 2. The longest and most detailed Constitution of the World; 3. Rigidity and Flexible Constitution; 4. Parliamentary system of Government; 5. Federal system with unitary bias; 6. Adult Franchise; 7. Single Citizenship; 8. Sovereign, Democratic, Republic; 9. Secularism; 10. Directive Principles of State Policy; 11. Independent Judiciary; 12. Fundamental Rights; 13. Fundamental Duties.

Unit III

A. Fundamental Rights

1. Concept of State (Art. -12); 2. Right to Equality (Art. -14 to 18); 3. Right to Freedom (Art. -19 to 22); 4. Right against Exploitation (Art. -23 & 24); 5. Right to Religion (Art. -25 to 28); 6. Right of Minorities (Art. -29 & 30); 7. Constitutional Remedies (Art.-32).

B. Fundamental Duties (Art.-51 A)

Unit IV

Directive Principles of State Policy (DPSP's)

1. Meaning and Significance of Directive Principles.
2. Classification/ Principles of D.P.S.P.
3. Relationship between F.Rs. and D.P.S.P.

Unit V

Executives

A) Union Government

The President, Council of Ministers and Prime Minister.

B) State Government

The Governor, Council of Ministers and Chief Minister.

• **References**

1. Constitution of India, Bare Act. Govt. of India.
2. Subhash C Kashyap, Our Constitution (AN Introduction of Indian Constitution and Constitutional Law, National Book Trust, India 2001.
3. Avasthi & Maheshwari, Indian Constitution, Lakshmi Narain Agrawal Agra, 2017.
4. Basu D.D., Introduction to the Constitution of India, Lexis Nexis, 2013.
5. Sharma L.N. Indian Prime Minister, the Macmillan Company of India, 1976.
6. Jain H.M. Union Executive, Chaitanya Publishing House, 1969.
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8. M.P. Jain, Indian Constitution Law, 7th Edn., Nexis 2014.
9. M.P. Jain, Outlines of Indian Legal and Constitutional History, Lexis Nexis, 2014.
10. भारताचे संविधान.
11. प्रदिप गायकवाड, (संपादक) भारताचे संविधान शिल्पकार डॉ. बाबासाहेब आंबेडकर दिक्षाभूमी संदेश, नागपूर २००६.
12. ग्रॅनव्हिल ऑस्टिन, अनुवाद भारती केळकर भारताची राज्यघटना, राष्ट्राची कोणशिला, डायमंड पब्लिकेशन, पुणे २०१३.
13. डॉ. भा.ल. भोळे, भारताचे शासन आणि राजकारण, विद्या प्रकाशन, नागपूर.

Nate: All latest volumes of above mentioned books must be preferred. The above list of books is not an exhaustive one.

Internal Test (45 Minutes)

10 Marks

Home Assignment

10 Marks

Theory Paper (02 Hours)

30 Marks

[1]	Section - [A]	Ten MCQ Carrying One Mark each	10 Marks
[2]	Section - [B]	Two Short Questions Carrying 5 Marks each Out of Five Questions Students have to Attempt any two	10 Marks
[3]	Section - [C]	One Long Question, Out of Three Questions Students have to attempt any one	10 Marks

**Note: - This Course is bilingual (English & Marathi)
The Examination will also be bilingual.**



**DR. BABASAHEB AMBEDKAR
MARATHWADA UNIVERSITY,
AURANGABAD.**



**SYLLABUS OF
"Six Months Course in
Environmental Science"**

(As per directives of Hon'ble Supreme Court)

[EFFECTIVE FROM 2005-06 AND ONWARDS]



SIX MONTHS COMPULSORY CORE MODULE COURSE IN ENVIRONMENTAL STUDIES: FOR UNDERGRADUATES

Teaching Methodologies

The Core Module Syllabus for Environmental Studies includes class room teaching and Field Work. The syllabus is divided into eight units covering 100 lectures. The first seven units will cover 70 lectures which are class room based to enhance knowledge skills and attitude to environment. Unit eight is based on field activities which will be covered in 30 lecture hours and would provide students first hand knowledge on various local environmental aspects. Field experience is one of the most effective learning tools for environmental concerns. This moves out of the scope of the text book mode of teaching into the realm of real learning in the field, where the teacher merely acts as a catalyst to interpret what the student observes or discovers in his/her own environment. Field studies are as essential as class work and form an irreplaceable synergistic tool in the entire learning process.

Course material provided by UGC for class room teaching and field activities be utilized.

The universities/colleges can also draw upon expertise of outside resource persons for teaching purposes.

Environmental Core Module shall be integrated into the teaching programmes of all undergraduate courses.



G-Envir-Sci

Annual System: The duration of the course will be 100 lectures. The exam will be conducted along with the Annual Examination.

Semester System: The Environment course of 100 lectures will be conducted in the second semester and the examination shall be conducted at the end of the second semester.

Credit system: The core course will be awarded 4 credits.

Exam Pattern: In case of awarding the marks, the question paper should carry 100 marks. The structure of the question paper being:

Part-A, Short answer pattern	-	25 marks
Part-B, Essay type with inbuilt choice	-	50 marks
Part-C, Field Work	-	25 marks



CORE MODULE SYLLABUS FOR ENVIRONMENTAL STUDIES
FOR UNDER GRADUATE COURSES OF ALL BRANCHES OF
HIGHER EDUCATION.

UNIT 1: The Multidisciplinary nature of environmental studies

Definition, scope and importance

(2 lectures)

Need for public awareness.

UNIT 2: Natural Resources:

Renewable and non- renewable resources:

Natural resources and associated problems.

- a) Forest resources: Use and over-exploitation, deforestation, case studies. Timber extraction, mining, dams and their effects on forests and tribal people.
- b) Water resources: Use and over-utilization of surface and ground water; floods, drought, conflicts over water, dams benefits and problems.
- c) Mineral resources: Use and exploitation, environmental effects of extracting and using mineral resources, case studies.
- d) Food resources: World food problems, changes caused by agriculture and overgrazing, effects of modern agriculture, fertilizer-pesticide problems, water logging, salinity, case studies.



- e) Energy resources: Growing energy needs; renewable and non renewable energy sources, use of alternate energy sources. Case studies.
 - f) Land resources: Land as a resource, land degradation, man induced landslides, soil erosion and desertification.
- Role of an individual in conservation of natural resources.
 - Equitable use of resources for sustainable lifestyles.

UNIT 3 : Ecosystems

- Concept of an ecosystem.
- Structure and function of an ecosystem.
- Producers, consumers and decomposers.
- Energy flow in the ecosystem.
- Food chains, food webs and ecological pyramids.
- Ecological succession.
- Introduction, types, characteristic features, structure and function of the following ecosystem:-
 - a) Forest ecosystem.
 - b) Grassland ecosystem.
 - c) Desert ecosystem.
 - d) Aquatic ecosystem (ponds, streams, lakes, rivers, oceans, estuaries)

G-Envir-Sci

**UNIT 4: Biodiversity and its conservation.**

- Introduction – Definition: genetic, species and ecosystem diversity.
- Biogeographical classification of India.
- India as a mega-diversity nation.
- Value of biodiversity: consumptive use, productive use, social, ethical, aesthetic and option values.
- Biodiversity at global, National and local levels.
- Hot-spots of biodiversity.
- Threats to biodiversity: habitat loss, poaching of wildlife, man-wildlife conflicts.
- Endangered and endemic species of India.
- Conservation of biodiversity: In-situ and Ex-situ conservation of biodiversity.

UNIT 5: Environmental Pollution**Definition**

- Causes, effects and control measures of :-
 - a) Air pollution
 - b) Soil pollution
 - c) Water pollution
 - d) Marine pollution
 - e) Noise pollution
 - f) Thermal pollution
 - g) Nuclear hazards



G-Envir-Sci

- Solid waste Management: Causes, effects and control measures of urban and industrial wastes.
- Role of an individual in prevention of pollution.
- Pollution case studies.
- Disaster management: floods, earthquake, cyclone and landslides.

(8 lectures)

UNIT 6: Social Issues and the Environment.

- From Unsustainable to Sustainable development
- Urban problems related to energy
- Water conservation, rain water harvesting, watershed management
- Resettlement and rehabilitation of people; its problems and concerns. Case studies.
- Environmental ethics: Issues and possible solutions.
- Climate change, global warming, acid rain, ozone layer depletion, nuclear accidents and holocaust. Case studies.
- Wasteland reclamation.
- Consumerism and waste products.
- Environment Protection Act.
- Air (Prevention and Control of Pollution) Act.
- Water (Prevention and Control of Pollution) Act.
- Wild life Protection Act.
- Issues involved in enforcement of environmental legislation.
- Public awareness.

UNIT 7: Human Population and the Environment.

- Population growth, variation among nations.
- Population explosion-family welfare programme.



G-Envir-Sci

- Human Rights.
- Value Education.
- Environment and human health.
- HIV/AIDS.
- Women and Child Welfare.
- Role of Information Technology in Environment and human health.
- Case Studies.

(6 lectures)

UNIT 8: Field work

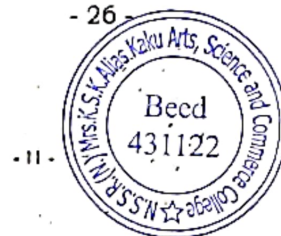
- Visit to a local area to document environmental assets- river/forest/grassland/hill/mountain.

REPORT COMPULSORY

- Visit to a local polluted sites – Urban Rural / Industrial / Agricultural.
- Study of common plants, insects, birds.
- Study of simple ecosystem – pond, river, hill slopes, etc.

(Field work Equal to 5 lecture hours)

G-Envir-Sci



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2. Bharucha Erach, The Biodiversity of India, Mapin Publishing Pvt. Ltd., Ahmedabad-380013, India, Email: mapin@icent.net (R)
3. Bruner R. C., 1989, Hazardous Waste Incineration, McGraw Hill Inc. 480p.
4. Clark R. S., Marine Pollution, Clarendon Press Oxford (TB)
5. Cunningham, W. P. Cooper, T. H. Gorhani, E & Hepworth, M. T. 2001, Environmental Encyclopedia, Jaico Publ. House, Mumbai, 1196p
6. De A. K., Environmental Chemistry, Wiley Eastern Ltd.
7. Down to Earth, Centre for Science and Environment (R)
8. Gleick, H. P. 1993. Water in crisis, Pacific Institute for Studies in Dev., Environment & Security. Stockholm Env. Institute. Oxford Univ. Press. 437p
9. Hawkins R. E., Encyclopedia of Indian Natural History, Bombay Natural History Society, Bombay (R)
10. Heywood, V. H. & Watson, R. T. 1995. Global Biodiversity Assessment. Cambridge University Press 114p
11. Jadhav, H & Bhosale, V. M. 1995. Environmental Protection and Laws. Himalaya Pub. House, Delhi 284p
12. McKinney, M. L. & Schol. R. M. 1996 Environmental Science systems & Solution, Web enhanced edition. 639p
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- G-Envir-Sci
14. Miller T. G. Jr. Environmental Science, Wadsworth Publishing Co. (TB)
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 16. Rao M: N. & Datta, A. K. 1987. Waste Water treatment, Oxford & IBH Publ. Co. Pvt. Ltd. 345p.
 17. Sharma B. K., 2001. Environmental Chemistry. Goel Publ. House, Meerut
 18. Survey of the Environment, The Hindu (M)
 19. Townsend C., Harper J, and Michael Begon, Essentials of Ecology, Blackwell Science (TB)
 20. Trivedi R. K., Handbook of Environmental Laws, Rules, Guidelines, Compliances and Standards; Vol I and II, Enviro Media (R)
 21. Trivedi R. K. and P. K. Goel, Introduction to air pollution, Techno-Science Publications (TB)
 22. Wagner K. D., 1998. Environmental Management. W. B. Saunders Co. Philadelphia, USA 499p

(M) Magazine

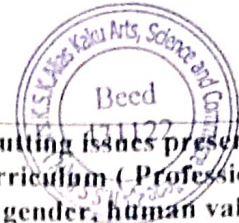
(R) Reference

(TB) Textbook

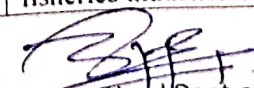
1.3.1- Curriculum Enrichment

Name of the Teacher- Capt. Dr. B.T. Pote

Name of the Department:- Geography



Paper/ Course No. and Name of the Course	Semester	Curriculum Details	Cross cutting issues presents in the curriculum (Professional ethics, gender, human values, environmental and sustainability's in to curriculum)
Physical Geography	I & II	<ul style="list-style-type: none"> ➤ Lithosphere ➤ Earth Movements. ➤ Rocks 	Enable the students to develop a holistic understanding of Lithosphere and Earth movement and Calamities associated with it and life saving measures for reducing the risk during these calamities from group work, enable the students to identify conceptual and critical tools and new technology and basic structures which can be used for reducing the risk of Landslides and loss of life and property.
Landforms Geography-III	I & II	<ul style="list-style-type: none"> ➤ Weathering Process ➤ Geomorphic Agents and processes (River, Glacial, Wind) 	Students will be well informed about types of soils and agents affecting it so that the productive layers of soils wont erode and fertility of it will remain good. The soil near river which is good for cultivation and Glacial landforms and their impacts.
Climatology-VI	III & IV	<ul style="list-style-type: none"> ➤ Various types of pollutions and its impact on social life. ➤ Climate. ➤ Air masses. ➤ Structure of Atmosphere. ➤ Cyclones. 	The basic understanding of environmental hazardous substances and the layers of atmosphere and their pollution. The climatic factors related to rainfall and human induced problems and their solutions. Global warming and the reasons behind it.
Oceanography-VIII	III & IV	<ul style="list-style-type: none"> ➤ Submarine relief. ➤ Oceanic currents and resources. ➤ Oceanic salinity and temperature. 	Continental shelf and habitat for marine life their uses for human being. Students will learn the all measures to stop polluting the ocean water. Coral bleaching and its impact on human health. Minerals which are the part of our day-to-life comes from the ocean and how to use them sustainably. Salinity of oceans and marine fisheries industries.


 Capt. Dr. B.T. Pote Head Dept. of Geography

3.1- Curriculum Enrichment

Name of the Teacher- Dr. Chavan asaram dipaji

Name of the Department:- Geography



Paper/ Course No. and Name of the Course	Semester	Curriculum Details	Cross cutting issues presents in the curriculum (Professional ethics, gender, human values, environmental and sustainability's in to curriculum)
Human Geography.-II	I & II	<ul style="list-style-type: none"> ➤ Man and environment relationship ➤ Tribal groups in India ➤ Stop and Go determinism 	Enable the students to develop a holistic understanding of Human and environment relationship and how it impact on their life. Awareness about Indian tribals and their different cultural for unity in diversity. And how to use natural resources effectively so that our new Generation will also get benefits of it.
Regional Geography of Maharashtra-IV	I & II	<ul style="list-style-type: none"> ➤ Climate of Maharashtra. ➤ Natural vegetation of Maharashtra ➤ Major crops of Maharashtra 	Students will be well informed about the climate of Maharashtra and how people of different area survives in harsh conditions and their problems. The impact of Global warming and destruction of forest and social and natural problems associated with it. Crop patterns of Maharashtra and their yield reduction due to climate change and diseases of crops and environmental impact of it.
Introduction to GIS	III & IV	<ul style="list-style-type: none"> ➤ Data analysis ➤ Application of GIS ➤ Role of GIS in Natural calamities 	The basic understanding of GIS will give student insight into how latest technology can reduce the impact of Natural calamities and preparedness and how to use various application for prediction of natural calamities.
Population	III & IV	<ul style="list-style-type: none"> ➤ Population distribution 	Population and its density and

Geography		<ul style="list-style-type: none"> ➤ Sex ratio. ➤ Male-female workforce. ➤ Migration. 	<p>their pros as well as cons Female that male and how to aware Hindu society about it. Increasing the participation of females in workforce and Government initiatives about it. How to stop Brain drain from India to other countries.</p>
Environment Geography -XII	V & VI	<ul style="list-style-type: none"> ➤ Habitat destruction. ➤ Afforestation. ➤ Biodiversity 	<p>Awareness about Animal world and its important. Awareness about wildlife protection act and government initiative about it. To encourage students for planting trees and how to sustain our biodiversity.</p>
Natural Calamities Geog raphy -XVI	V & VI	<ul style="list-style-type: none"> ➤ Landslides, earthquake, volcano. ➤ Disaster management . 	<p>Calamities in India and their vicious impacts on Indian People and Economy. District, state and National level management authorities and their role and how they Act at the time of calamities and measure to prevent loss of life and economy.</p>


Dr. Chavan A.D.

Asst. Professor.

(Department of Geography)

.3.1- Curriculum Enrichment

Name of the Teacher- Siddhiki Kaziawez Parwezjahemad

Name of the Department:- Geography



Paper/ Course No. and Name of the Course	Semester	Curriculum Details	Cross cutting issues presents in the curriculum (Professional ethics, gender, human values, environmental and sustainability's in to curriculum)
Physical Geography	I & II	<ul style="list-style-type: none"> ➤ Volcanoes ➤ Earth quakes 	Enable the students to develop a holistic understanding of volcanism and earthquakes and life saving measures for reducing the risk during these calamities from group work, enable the students to identify conceptual and critical tools and new technology and basic structures which can be used for reducing the risk of collapsing the buildings.
Landforms Geography-III	I & II	<ul style="list-style-type: none"> ➤ Weathering Process ➤ Geomorphic Agents and processes ➤ Land use patterns 	Students will be well informed about types of soils and agents affecting it so that the productive layers of soils wont erode and fertility of it will remain good.
Climatology-VI	III & IV	<ul style="list-style-type: none"> ➤ Composition of atmosphere ➤ Various types of pollutions and its impact on social life. ➤ Role of climate in Human life. ➤ Global warming. 	The basic understanding of environmental hazardous substances which can affect human health and what are the safety measures to prevent it. The climatic factors related to rainfall and human induced problems and their solutions. Global warming and its causes
Oceanography-VIII	III & IV	<ul style="list-style-type: none"> ➤ Ocean water and its importance. ➤ Ocean water pollution ➤ Food coming from ocean and sea ➤ Ocean affecting the rainfall patterns ➤ Various minerals from ocean. ➤ Ocean currents 	The life below the sea, ocean on which human life is dependent. Students will learn the all measures to stop polluting the ocean water. Ocean currents and confluence where Ocean life Flourish like fishes and their food. Coral bleaching and its impact on

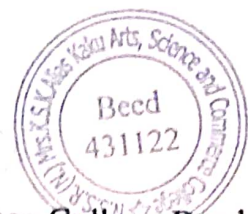
Geography Of India-XI	V & VI	<ul style="list-style-type: none"> ➤ Indian Monsoon. ➤ Rivers in India ➤ Natural vegetation of India ➤ Habitat loss of animals and its impacts. 	<p>human health. Minerals, which are the part of our day-to-day life comes from the earth and how to use them sustainably.</p> <p>Enable the students learn the pattern of monsoon and its impact on Indian diaspora. River pollution in India and its impact on environment and social life. The problem of Deforestation and habitat loss of animals which can ultimately lead to the Destruction of human existence on planet earth.</p>
Agriculture Geography Of India-XV	V & VI	<ul style="list-style-type: none"> ➤ Introduction of Agriculture in India ➤ Cropping pattern of India ➤ Green revolution. 	<p>It will enable students for understanding the importance of Agricultural and its impact and human life and its impact on environment. Cropping patter and sustainable use of Food and Habit of saving food. The hunger index of India its report and preventive measures for malnutrition and child wasting and child stunting. Green revolution and Problems of food safety.</p>

Siddhiki kaziawez P.

Asst. Professor.

(Department of Geography)

NSSR (N)



Mrs. Kesharbai Sonajirao Kshirsagar Alias Kaku Arts Commerce Science College Beed


1.3.1 Curriculum Enrichment

Detail on institutional integrating cross cutting issues relevant to professional ethics, gender human values , environmental and sustainabilities into curriculum

Name of Teacher : Dr. Chaudhari V.M .

Name of department : Economic's

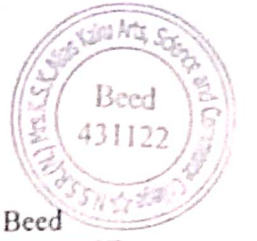
Paper / No. and name of course	Semester	Curriculum details	Cross cutting issues present in the curriculum (professional ethics , gender human values, environmental and sustainabilities into curriculum)
B.A I st Economic's Micro Economic's	I	What is Economic's definition and scope	Defination - Lot of need's & five capital into two events adjustment called as Economic's
B.A II nd Macro Economic's	II	Macro Economic's Introduction what distribution.	Distribution land labour, capital and industrialist All - Events.
B.A. III rd Industrial Economics	V	Environment and Industrial Economic's	Environment Economic's & Industrial large scale Industries.


Name of Teacher

डॉ. चौधरी वि.एम.
अर्थशास्त्र विभाग प्रमुख
सी.के.एस.के.महाविद्यालय बीड.

Head

NSSR's (N)



Mrs. Kesharbai Sonajirao Kshirsagar Alias Kaku Arts, Science and Commerce College, Beed


1.3.1 - Curriculum Enrichment

Details on institutional integrating cross cutting issues relevant to professional ethics, gender, human values, environmental and sustainability into curriculum.

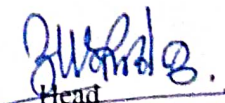
Name of Teacher: professor. RAJH. B.V

Name of the Department: Hindi

Paper/ Course No. and name of the Course	Semester	Curriculum details	Cross cutting issues present in the curriculum (professional ethics, gender, human values, environmental and sustainability into curriculum)
B.A. I OPT कथा साहित्य pap- III	II	परंपरा, संस्कृति, मूल्य, संवर्धन	पर्यावरण शिक्षा, नारी समाजवाद
B.A. II nd USU सांभाल्य- हिंदी pap- IV	IV	पर्यावरण, पेड़ों का महत्व, भारतीय- मूल्य, संस्कृति का संवर्धन	भारतीय परंपरा, पर्यावरण जागरूकता, देश प्रेम.
B.A. III OPT सांभाल्य साहित्य pap- IX	VI	अध्यात्मिक, सांभाल्य मूल्य, परंपरा का- संवर्धन	मानवीय मूल्य का अध्ययन, पर्यावरण के मूल्य, सांभाल्य मूल्यों का अध्ययन


Name of Teacher

Dr. Rajh. B.V


Head
हिंदी विभाग प्रमुख
सौ.के.एस.के.महाविद्यालय,
बीड (महाराष्ट्र) -431122



1.3.1 - Curriculum Enrichment

Details on institutional integrating cross cutting issues relevant to professional ethics, gender, human values, environmental and sustainability into curriculum.

Name of Teacher: Professor Dr. Rathod A.H.

Name of the Department: HINDI

Paper/ Course No. and name of the Course	Semester	Curriculum details	Cross cutting issues present in the curriculum (professional ethics, gender, human values, environmental and sustainability into curriculum)
B.A.F. 2. S.L. Paper No. I सामान्य हिंदी	I	कहानी साहित्य 1) प्रेमचंद - पुस की रात 2) प्रसाद - ममता 3) सुदर्शन - हार की जीत	इन कहानियों में मानवी मूल्यों का दर्शन होता है।
B.A.F. 2. Opt. Paper No. II आधुनिक कविता	I	फाव्य कुशुम - कपिला अंग्रेज शहूल अंतकाल - कदम	इन कवियों में देवायुम एवं भारतीय संस्कृति का परिचय। शहूल अंतकाल में मानवी मूल्य।
B.A.S. 2. Opt. Paper No. VI नाटक साहित्य	II	कषीरा श्रुता धारा में - श्रीम काहनी मायाधर्म का उद्देश्य - अजय शुक्ला	इन नाटकों में व्यावसायिक नैतिकता और सामाजिक मूल्य।
B.A.T. 2. Sub Paper No. X आदि तथा मध्य कालीन हिंदी साहित्य का इतिहास	V	आदिकाल माफीकाल वीरकाल	इनमें मानवी मूल्य परंपरा देवायुम संस्कृति आदि का परिचय होता है।

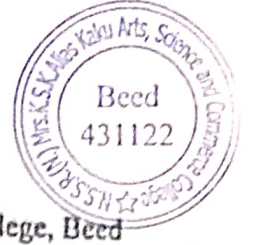
Name of Teacher

Dr. A. H. Rathod

Head

हिंदी विभाग प्रमुख
सी.के.एस.के. महाविद्यालय,
बीड (महाराष्ट्र) -431122

NSSR (N)



Mrs. Kesharbai Sonajirao Kshirsagar Alias Kaku Arts Commerce and Science College, Beed

1.3.1 - Curriculum Enrichment

Details on institutional integrating cross cutting issues relevant to professional ethics, gender, human values, environmental and sustainabilities into curriculum

Name of the teacher: Dr. Balasaheb Vishnu Katare

Name of the department: Marathi

Paper/Course No. and name of the course	Semester	Curriculum details	Cross cutting issues present in the curriculum (professional ethics, gender, human values, environmental and sustainabilities into curriculum)
बी. ए. प्रथम वर्ष अभ्यासपत्रिका - 9 अभ्यास आविष्कार	पहिले	संत ज्ञानेश्वर, संत नामदेव, संत एकनाथ, संत तुकाराम, संत सावता मादी, संत गोरामुंशी, संत जनाबाई, संत मोरनामदेव आदी संतांचे जीवन अभ्यास	मावकी मुल्य, जीवनमूल्य, नैतिकता, वैज्ञानिक दृष्टिकोन, पर्यावरणविषयक संवेदन, प्रयत्नकार, श्रमप्रतिष्ठा, अन्नी महामुल्य आदी घटनांचा अंतर्भाव प्रस्तुत अभ्यासक्रमात आहे.
बी. ए. प्रथम वर्ष. अभ्यासपत्रिका विवेक - 3 विवेक गद्य	दुसरे	विवेक वृत्ति गद्य - डॉ. शेणैक-भा उठे !, पं. श्री, गांधी आत्मनिश्चिंतन (गोप) विवेकगोपी महो. वि. पं. वनजीव विवेक, अरुणाचल काव्य	धार्मिक व वैज्ञानिक विचारविनिर्माण, पर्यावरण संवर्धन, ऐतिहासिक वास्तव जाणवणे, युवकांचे आत्मज्ञान जागृत करणे आदी मुल्यांना समावेश देणे
बी. ए. द्वितीय वर्ष अभ्यासपत्रिका कादंबरी	तिसरे	रत्नांगण - निजात खेडकर जरील - अजोबा बोरगावकर	दुसऱ्या महायुद्धांतर - शाहूजी गावकी मुलांती पडशड रत्नांगण मधून अमोर येणे - येत्याविहीन लोकांचा जगणारे राष्ट्रवादन मरील मधून येणे. विद्यार्थ्यांना धार्मिक संवेदन हे घटक महत्त्वाचे ठरवणे

Name of the teacher:


Head

मराठी विभागप्रमुख
सौ. के. एस. के. महाविद्यालय, बीड.



1.3.1 - Curriculum Enrichment

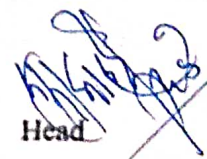
Details on institutional integrating cross cutting issues relevant to professional ethics, gender, human values, environmental and sustainabilities into curriculum

Name of the teacher: DR. Balasaheb Vishnu Katave

Name of the department: Marathi

Paper/Course No. and name of the course	Semester	Curriculum details	Cross cutting issues present in the curriculum (professional ethics, gender, human values, environmental and sustainabilities into curriculum)
बी.ए. द्वितीय वर्ष अभ्यासपत्रिका - ८ साहित्यप्रकाश - नाटक	अन - चौथे	नाटक - संकल्पना, स्वरूप, अर्थ, व्याख्या. इत्यादी कॉमिक्स - नाटकाचा अर्थविवरण जलमाला जोड - अर्थपरिचय	ऐतिहासिक नाटके पौडाली धर्मांतक प्रकाश - मानवी मूल्यं प्रकाश बौद्धिक जीवन गुंजांवर प्रकाश. अभ्यास - नाटकाचा प्रकाशक प्रकाश
बी.ए. द्वितीय वर्ष - अभ्यासपत्रिका - ९ साहित्यप्रकाश	अन-पाचवे / सातवे गोवर्धन साहित्यप्रकाश	साहित्यप्रकाश स्वरूप, साहित्यप्रकाश साहित्याची निर्मिती प्रक्रिया, स्वतंत्रता शिक्षणशास्त्र व अर्थशास्त्र	-
बी.ए. तृतीय वर्ष - अभ्यासपत्रिका - १०	अन-पाचवे / सहावे साधुविज्ञान	साधु - व्याख्या, स्वरूप, वैशिष्ट्ये. साधुशास्त्राचा परिचय, स्वतंत्रता, पद्धति, धार्मिक शास्त्र व प्रभावशास्त्र	सांसाधनिक तत्त्व, सांसाधनिक मूल्यसंस्कार, साधन संस्कार - समाज व्यवहार.

Name of the teacher:


Head

मराठी विभागप्रमुख
ए.के.एस.के. महाविद्यालय, बीड.

Mrs. K.S.K. College Beed
Department of Home Science



Sr.No	Particulars	Class	Paper No.	Paper Name	Related point
1	Human values	B.A.F.Y. Semester I	I	Introduction to Family Resource Management	Values- meaning, definition, sources, importance
2	Environment	B.A.S.Y. Semester III	VI	Textile and Clothing	Natural Dyes-Plant, animal, mineral
3	Professional Ethics	B.A.T.Y. Semester VI	XV	Communication Process in Home Science	Leadership
4	Gender Equality	B.A.T.Y. Semester V	IX	Marriage and Family Dynamics	Laws related to Women, Marriage and Family
5	Professional Ethics	B.A.T.Y. Semester VI	XIII	Adulthood and Old age	Vocational Adjustments

DR. BABASAHEB AMBEDKAR MARATHWADA
UNIVERSITY, AURANGABAD



Name of the Course : B.A. 1st year Home Science
Semester : 1st
Paper No. and Title : 1-Introduction to Family Resource
Management

Unit III : Factors motivating management

Credit

1.0

- a) Values – Meaning, Definition, Sources, Importance
- b) Goals – Meaning, Definition & types.
- c) Standards – Meanings, Definition, Classification & Types
- d) Decision making – Meaning, importance, types, Steps

DR. BABASHAEB AMBEDKAR MARATHWADA UNIVERSITY,
AURANGABAD

Name of the Course: B. A. II. Home Science

Semester : IIIrd

Paper No. & Title ; VI Textile and Clothing (Fibre To Fabric)

Unit: III Clothing dyes and printing (Credit 1)

a) Classification of dyes-

i. **Naturals dyes- Plant, Animal, Mineral**

ii. Synthetics dyes- Acid, Direct, Basic, Mordant, Reactive, Vat, Sulphur And disperse. b) Introduction of printing-

i. Direct printing- Roller printing, Block printing and Stencil Printing, Screen
c) Printing

ii. Resist Printing- Bandhani Printing, Batik Printing.

iii. Discharge Printing.

DR. BABASHAEB AMBEDKAR MARATHWADA UNIVERSITY
AURANGABAD



Name of the Course: B. A. III Year. Home Science

Semester: VI

Paper No. & Title; XV-Communication Process in Home Science

Unit IV-Leadership

1. Concept, importance & characteristics
2. Qualities of Leader
3. Functions of leadership in development
4. Roll of leadership in development of Community

DR. BABASHAEB AMBEDKAR MARATHWADA UNIVERSITY,
AURANGABAD

Name of the Course: B. A. III Year. Home Science

Semester: V

Paper No. & Title; IX-Marriage & Family Dynamics

Unit IV a) Laws related to Women, Marriage & Family

1. Hindu marriage act, Special marriage act
2. PCPNDT Act, family violence act
3. Sexual harassment at work place (Vishakha) dowry and child marriage

b) Counselling

Scope, definition, importance.

1. Premarital, post marital family and vocational counseling.

**DR. BABASHAEB AMBEDKAR MARATHWADA UNIVERSITY,
AURANGABAD**



Name of the Course: B. A. III Year. Home Science

Semester: VI

Paper No. & Title; XII-Human Development (Adulthood & Oldage)

Professional Ethics

Unit I Early Adulthood (age 18 to 40 yrs)

1. Stages of adulthood, characteristics of early adulthood
2. Development tasks and adjustments in early childhood
3. Changes in interests-physical appearance, cloths, money material possession, and recreation, Social.
- 4. Vocational adjustments-selection of vocation, stability in vocation, adjustment to work and achievements**



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Mrs. Kesharbai Sonajirao Kshirsagar Alias Kaku Arts Commerce and Science College, Beed

1.3.1 –Curriculum Enrichment

Details on institutional integrating cross cutting issues relevant to professional ethics, gender, human values, environmental and sustainabilities into curriculum

Name of Teacher: **Dr. Irlapalle Pallavi B.**

Name of the department: **Public Administration**

Paper/Course No. and name of the course	Semester	Curriculum details	Cross cutting issues present in the curriculum (professional ethics, gender, human values, environmental and sustainabilities into curriculum)
B.A.F.Y. INDIAN ADMINISTRATION -I & II	I & II	CONSTITUTION- PREAMBLE, FUNDAMENTAL RIGHTS, FUNDAMENTAL DUTIES, DIRECTIVE PRINCIPLES	GENDER & HUMAN VALUES
B.A.S.Y URBAN LOCAL SELF GOVERNMENT AND RANCHAYAT RAJ & RURAL DEVELOPMENT	III & IV	URBAN PROBLEMS- SLUMS, POLLUTION, WATER SUPPLY, RURAL DEVELOPMENT, GRAM SWACHHATA ABHIYAN INDIRA AWAS YOJNA	HUMAN VALUES SUSTAINABILITIES
B.A.T.Y HUMAN RESOURCE DEVELOPMENT & PUBLIC POLICY AND DEVELOPMENT EDUCATION & HEALTH ADMINISTRATION	V & VI	HIGHER EDUCATION, VALUE EDUCATION SUSTAINABLE DEVELOPMENT, POPULATION SAFE DRINKING WATER, SANITATION OF HYGIENE, NUTRITION	PROFESSIONAL ETHICS, HUMAN VALUES & SUSTAINABILITIES

Name of Teacher: *Dr. Irlapalle P.B.*

Head
H.O.D.

Public Administration
Mrs. K.S.K. College, Beed.

NSSR(N)



Mrs. Kesharbai Sonajirao Kshirsagar Alis Kaku Arts, Commerce and Science College, Beed.


1.3.1 –Curriculum Enrichment

Details institutional integrating cross cutting issues relevant to professional ethics, gender, human values, environmental and sustainabilities into curriculum.

Name of Teacher:- Dr. Surekha M. Joshi (Ratnaparkhi)

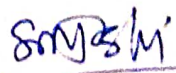
Name of Department :- Music

Paper/course No. & Name of course	Semester	Curriculum details	Cross cutting issues present in the curriculum (professional ethics, gender, human values, environmental and sustainabilities into curriculum.)
B.A. I (Music) Paper II (Practical- Indian classical music)	I & II	Theory of Ragas and practically presentation of Ragas.	professional ethics to become a Artist, Music teacher, musician, Audio recordist, music composer etc.
B.A. II (Music) Theory Indian classical music.	III & IV	Defination and details of various forms of Music.	professional ethics to become a Artist, Music teacher, musician, Audio recordist, music composer etc.
M.A. II (Music) Paper II Practical- Indian classical music)	I & II	Theory of Ragas and practically presentation of Ragas. Detail study of Indian musical ragas.	professional ethics to become a Artist, Music teacher, musician, Audio recordist, music composer etc.


Name of Teacher
DR. S. M. JOSHI

S. M. Joshi
the Music Dept.
Mrs. K. S. K. College, Beed.

MUSIC
Name of Department


Dr. S. M. Joshi
Head of the Music Dept.
Mrs. K. S. K. College, Beed.

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Mrs.Kesharbai Sonajirao Kshirsagar Alis Kaku Arts,Commerce and Science College ,Beed.


1.3.1.-Curriculum Enrichment


Details institutional integrating cross cutting issues relevant to professional ethics,gender ,human values,environmental and sustainabilities into curriculum

Name of Teacher - Prof.D.D. Jamdhade

Name of Department - Music

Paper/Course No and Name of course	Semester	Curriculum details	Cross cutting issues present in the curriculum [professionals ethics,gender,human values,environmental and sustainabilities into curriculum.
B.A.III[Music] Paper - I [Theory and Practical	I and II	Theory of Ragas and practically presentation of Ragas.	Professional ethics to become a Artist,music teacher musician,Audio recordist,music composer etc.
B.A.III Paper - II Theory and Practical	I and II	Theory of Ragas and practically presentation of Ragas.	Professional ethics to become a Artist,music teacher musician,Audio recordist,music composer etc.
M.A.I [Music] Paper I,II Theory and Practical	I and II	Theory of Ragas and practically presentation of Ragas.	To professional ethics to become a Artist ,music teacher musician,Audio recordist,music composer etc.


Name of teacher


Dr. S. M. Joshi
Head of the Music Dept.
Mrs.K.S.K.College,Beed.

1.3.1- Curriculum Enrichment

Name of the Teacher- **Dr. Sidharth Jadhav**


Name of the Department:- **Commerce**



Paper/ Course No. and Name of the Course	Semester	Curriculum Details	Cross cutting issues presents in the curriculum (Professional ethics, gender, human values, environmental and sustainability's in to curriculum)
Business and Industrial Economics	I & II	<ul style="list-style-type: none"> ➤ Business Economics ➤ Consumer Behaviour ➤ Elasticity of Demand ➤ Market Structure ➤ Factor Pricing ➤ Foundation of Indian Business ➤ Business Enterprise ➤ Management and Organization ➤ Leadership and Motivation ➤ Functional area of Management 	Enable the students to develop a holistic understanding of literature from representative works, enable the students to identify conceptual and critical tools for analyzing the works in Business Economics and Industrial Economics , familiarize the students with the diverse schools of poetry, the trends and individual traits to their medium.
Financial Accounting	I & II	<ul style="list-style-type: none"> ➤ Book Keeping & Accountancy ➤ Depreciation ➤ Final A/c of Sole Trader ➤ Hire Purchase System ➤ Royalty A/c ➤ Accounting Principle and Standards ➤ Final A/c of Non Trading Concern ➤ Branch A/c ➤ Departmental A/c ➤ Consignment A/c 	Acquire knowledge of accounting principles and practices be followed in the organization. Equip the students with the basic of accounting followed by various firms.
Cost A/c	III & IV	<ul style="list-style-type: none"> ➤ Cost Account ➤ Elements of Cost ➤ Material ➤ Labour ➤ Overheads ➤ Single or Output Costing ➤ Contract Costing ➤ Operating Costing ➤ Process Costing ➤ Reconciliation 	Develop conceptual understanding of fundamentals of financial accounting, cost accounting and management accounting; familiarize the basic concepts of accounting and its features.
Banking & Insurance	III & IV	<ul style="list-style-type: none"> ➤ Banking Industry ➤ Commercial Banks ➤ Reserve Bank of India ➤ Modern Bank in India ➤ Financial Inclusion ➤ Introduction to Insurance ➤ Life Insurance ➤ General Insurance ➤ Insurance Agency ➤ Recent Trends in Insurance Trends 	Knowledge on Indian banking system and Acts regulating banking operations

Advanced Financial A/c	V & VI	<ul style="list-style-type: none"> ➤ Single Entry System ➤ Final A/c of Banking Company ➤ Final A/c of Insurance Company ➤ Investment A/c ➤ Emerging Technological Trends ➤ Indian Accounting Standards ➤ Farm Accounting ➤ Final A/c of Local Government ➤ Final A/c of Electrical Company ➤ International financial Reporting 	<p>Enable the students learn the functional aspects of accounting</p> <p style="text-align: right;">Beed 431122</p>
Auditing & Direct Taxes	V & VI	<ul style="list-style-type: none"> ➤ Introduction of Audit ➤ Audit Planning and Control Process ➤ Voucher and Verification ➤ Company Auditor ➤ Recent Trends in Audit ➤ Income Tax Act 1961 ➤ Income from Salary ➤ Income from Business & Profession ➤ Income from House Property ➤ Income from Capital Gain ➤ Income from other source 	<p>Objective and concepts of auditing and gain working knowledge of generally accepted auditing procedures and of techniques and skills needed to apply them in audit and attestation engagements.</p> <p>The provisions of Income- tax law and gain ability to solve simple problems concerning assesses with the status of "Individual"</p>
Computerized A/c	V & VI	<ul style="list-style-type: none"> ➤ Introduction to Computerized A/c ➤ Fundamental of Computerized A/c ➤ Accounting Vouchers ➤ Accounting Report ➤ GST Functions ➤ Maintain Billwise details ➤ Inventory features ➤ Advanced GST Transaction ➤ TDS 	<p>Equips with fundamental knowledge in Information Technology and its applications in modern enterprises. It also enables to apply Information Technology in business environments and develop end-user computing skills</p>

Professional Ethics- 07 Subjects


Dr. Sidharth S. Jadhav
 Head of Department
 Mrs. K. S. K. College, Beed.

Mrs. K. S. K. College Beed




1.3.1 Curriculum enrichment

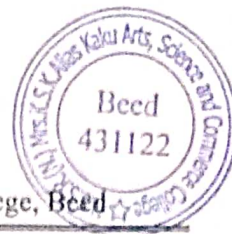
Name of the Teacher-Dr. Khakre P.R

Name of the Department-Chemistry

Paper/Course/No. and Name of the course	Semester	Curriculum details	Cross cutting present in the curriculum (professional ethics, gender, human values, environmental and sustainability's into curriculum
B. Sc F.Y./Applied Chemistry	II nd	Chromatography, synthesis and properties, Manufacture of glass, Analysis of fertilizer	Introduced students with synthesis of medicinal drugs. fertilizers with suitability.
B. Sc S.Y./Applied Chemistry	IV th	fundamental and properties of pigments and dyes.	Professional ethics to inoculate the knowledge for different dyes and pigments
B. Sc T.Y./Inorganic chemistry	VI th	Bioinorganic techniques	Professional ethics to include agriculture and environment awareness
M.Sc. F.Y./Organic Chemistry	I st	To apply the grass paid knowledge in chemical analysis	Compressive core curriculum strong cocurricular covering fundamental principal, this fundamental knowledge is curial solid understanding of the disciplinal Student skill examine specific phenomenon theoretically and experimentally.


Head of Department
Department of Chemistry
Mrs. K.S.K. College, Beed.

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Mrs. Kesharbai Sonajirao Kshirsagar Alias Kaku Arts Commerce and Science College, Beed


1.3.1 –Curriculum Enrichment

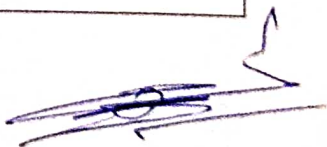
Details on institutional integrating cross cutting issues relevant to professional ethics, gender, human values, environmental and sustainabilities into curriculum

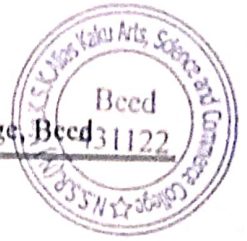
Name of Teacher: Dr. S. M. Talekar

Name of the department: Botany

Paper/Course No. and name of the course	Semester	Curriculum details	Cross cutting issues present in the curriculum (professional ethics, gender, human values, environmental and sustainabilities into curriculum)
Plant Ecology XI	II	Pollution Factors	Professional ethics includes the quality of water, Air and sound pollution.
Genetics and Biotechnology XIX	VI	Biotechnology	Professional ethics Various technic used in Agriculture fields and medicinal fields.
Cell biology and Molecular biology XV	III	Chromosomal aberration	Gender to identify genetic abnormalities.
Crop Genetics and Plant breeding	521 A	Plant breeding	Professional ethics the impairment of crops with Plant breeding.


Name of Teacher: : Dr. S. M. Talekar


Head
Department of Botany,
Mrs.K.S.K. College, Beed.



Mrs. Pesharbai Sonajirao Kshirsagar Alias Kaku Arts Commerce and Science College, Beed

1.3.1 - Curriculum Enrichment

Details of institutional integrating cross cutting issues relevant to professional ethics, gender, human values, environmental and sustainabilities into curriculum

Name of Teacher: Dr. Jogdand S.K.

Name of Department: Botany

Paper/Course No. and name of the course	Semester	Curriculum details	Cross cutting issues present in the curriculum (professional ethics, gender, human values, environmental and sustainabilities into curriculum)
B.Sc. S.Y. Botany Paper No. Gymnosperm and utilization of plants.	IV	Geological time scale, Fossils, fossil fuel utilization of plants.	Introduce students with fossil fuels. Environmental and sustainabilities.
B.Sc. T.Y. Diversity of Angiosperm & I	IV	Unit I - Biodiversity Types of Biodiversity - conservation of Biodiversity.	Environmental awareness.
M.Sc. II Botany Plant Tissue culture Bot 525	III	Advanced culture Techniques, Recombinant Techniques.	Professional ethics. To inculcate the knowledge for tissue culture to increase healthy and more yield.

Jogdand
Name of Teacher:

[Signature]
Head



1.3.1-Curriculum Enrichment


Details of Institutional integrating crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, Human Values into the Curriculum

Name of the Teacher: Dr. P. R. Maheshmalkar

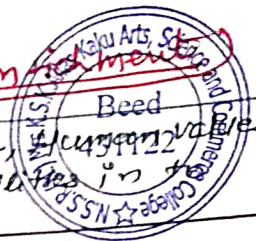
Name of the Department: Physics

Paper/ Course No. and Name of Course	Semester	Curriculum Details	Crosscutting issues Present in the Curriculum (Professional Ethics, Gender, Human Values, Environment and Sustainability's into the Curriculum)
Heat and Thermodynamics	I	Relation between heat and work, different thermodynamic phenomena, thermodynamic laws	We use physics to analyze the contents of the atmosphere, to figure out how the sun's radiation interacts with gases in our atmosphere, to measure the heat inputs and outputs from space, and to predict the weather. Issues of Heat, and Energy Use, Energy transport Human Values and Professional Ethics- To understand the phenomena connected with heat as radiation, conduction, different thermal capacities of substances.
Geometrical and Physical Optics	II	Optical phenomena like Interference, Diffraction and Polarization to various field	Environment And Sustainability- The main objective of this subject is to aware the students about of waves and optics.
Modern and Nuclear Physics	III	Properties of nucleus, nuclear reactions and devices	Environment And Sustainability- To understand the properties of nucleus reactivity. Commercial power generation and waste. Students would be able to pick and choose the best ethical standards and concepts for a given problem.
Solid State Physics	IV	The physical properties of solids in terms of basic physical laws, physics properties linked to the electronic structure.	To develop and apply the knowledge of it in learning new technologies. To improve the logical ability to analyze and solve problems.
Classical and Quantum Mechanics	V	Microscopic and macroscopic behavior of matter	Environment And Sustainability- To know what central, conservative and central-conservative forces mathematically understand the conservative theorems of energy, linear momentum and angular Momentum.
Atomic, Molecular Physics and Laser	VI	Atom, molecules and origin of the spectra The working principle and applications of lasers	Environment And Sustainability- The purpose is to understand the outgrowth of the structure, extra nuclear part of the atom and origin of the spectra.
PHYP/MJ/52# General Nuclear Physics	I	Nucleus, Nuclear structure, reactions, Applications and devices	multidisciplinary effort to examine the problems associated with nuclear technology through ethical frameworks and standards.


Teacher


HOD
Head
Dept. of Physics
Mrs. K.S.K. College, Beed.

Dept. of Sociology (Curriculum & Syllabus)



professional ethics, Gender, Environmental & Sustainability Curriculum.

Paper / Course No. Name of the Course	Semester	Curriculum Detail	
B.A. I ^{yr}	Sem-I	Paper - I. Introduction to sociology.	<u>Basic concepts - Unit. III</u> society, social groups, social - Institution, social system.
B.A. I ^{yr}	Sem-I	Paper - II. Individual and society.	<u>Unit - III - social stratification</u> caste system, class system
B.A. I ^{yr}	Sem-II	Paper - IV Indian social composition	<u>Unit - I. Features of Indian society.</u> Values of Indian society. Non violence, Tolerance, coexistence.
B.A. II ^{yr}	Sem-III	Paper - V Problems of Rural India.	<u>Problems Unit - I</u> <u>Institutional Issues:-</u> Problems of Rural Women:- Education, Health
B.A. II ^{yr}	Sem-IV	Paper - VIII Sociology of Development.	<u>Unit - II - Development Issues</u> Gender and Development.
B.A. III ^{yr}	Sem-V	<u>IX - Sociological Traditions</u>	Unit - III. Classical Tradition Karl Marx - class struggle, Historical materialism.
B.A. III ^{yr}	Sem-VI	Paper - NO - XV Social Disorganization in contemporary India.	<u>Unit - II - Violence & Social disorder.</u> Violence against women Terrorism in india.
B.A. III ^{yr}	Sem-VI	Urban society in India <u>XV.</u>	<u>2- Social Problems of Urbanization.</u> prostitution, Urban family, poverty and Unemployment, slum and Housing Problems.

Department Psychology
(Curriculum enrichment)

Paper/ Course No. Name of course	Semester	Curriculum detail	Professional ethics, Gender, Human values, environmental & Sustainability in curriculum.
B.A. I Yr	Sem-I	Paper-NO - I. Introduction to Psychology	I - The science of psychology Counseling psychology, Case study, survey methods.
B.A. I Yr	Sem-II	Paper-NO - II Psychology of Individual - Differences	Unit-04 - conflict & Frustration or causes of Frustration
B. A. I Yr	Sem-II	Paper - NO IV Development Psychology	III - Domain of Human development → Language Development, Physical Development, personality Development etc.



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Mrs. Kesharbai Sonajirao Kshirsagar Alias Kaku Arts Commerce and Science College, Beed

1.3.1 -Curriculum Enrichment

Details on institutional integrating cross cutting issues relevant to professional ethics, gender, human values, environmental and sustainabilities into curriculum

Name of Teacher: Dr. Shrimangale G. W.

Name of the department: Mathematics

Paper/Course No. and name of the course	Semester	Curriculum details	Cross cutting issues present in the curriculum (professional ethics, gender, human values, environmental and sustainabilities into curriculum)
MAT-302 Integral Transform	II	An introduction to integral transform, properties and theorems on it.	Solving differential equations analyzing signals in engineering and physics, and solving problems in heat conduction and wave propagation.
MAT-303 Mechanics-I	II	Forces, resultant of forces, vector moment moment of couples, laws and rules.	Eq Analyzing the force acting on a part particle, equilibrium of forces, force acting on a rigid body.
MAT/MJ/SSSP Latex Typesetting -II	II	Document class, page style, length, space, box etc. making presentation slides in beamer class LaTeX.	prepare document class, typesetting environment, make presentation and article.

Name of Teacher:

Dr. Shrimangale G. W.

H.O.D

Dept. of Mathematics

Mrs. K.S.K. Alias Kaku College, Beed

Course Code: MAT-302

Course Name: Laplace and Fourier Transforms

Credits:02

Total Periods: 60



Course Objectives:

Student will learn the fundamental properties of Laplace and Fourier transforms.

Course Outcomes:

CO1: Determine Laplace transform for various functions and understand the properties of Laplace transforms

CO2: Determine inverse Laplace transform, properties of inverse Laplace Transform, and solve the problems using convolution theorem

CO3: Determine Fourier transform and understand the properties of Fourier transform, Fourier sine and cosine transforms

CO4: Apply Laplace transform to find solutions of differential equations.

Unit I: Beta Function, Gamma Function and Laplace Transforms

Beta and Gamma functions, Elementary properties of Gamma function, Relation between Beta and Gamma functions. Introduction, Laplace Transform, Important Formulae, Properties of Laplace Transforms, Laplace Transform of the Derivative of $f(t)$, Laplace Transform of the Derivative of Order n , Laplace Transform of Integral of $f(t)$, Laplace Transform of $t f(t)$ (Multiplication by t), Laplace Transform of $1/t f(t)$ (Division by t), Unit Step Function, Second Shifting Theorem, Impulse Function, Periodic Functions, Convolution Theorem, Evaluation of Integrals, Formulae of Laplace Transform, Properties of Laplace Transform.

Unit II: Inverse Laplace Transforms

Inverse Laplace Transforms, Important Formulae, Multiplication by s , Division by s (Multiplication by $1/s$), First Shifting Property, Second Shifting Property, Inverse Laplace Transforms of Derivatives, Inverse Laplace Transform of Integrals, Partial Fractions Method, Inverse Laplace Transform by Convolution.



Unit III: Solutions of Differential Equations and Integral Transforms

Solution of Differential Equations by Laplace Transforms, Solution of Simultaneous Differential Equations by Laplace Transforms

Unit IV: Fourier Transforms

Introduction, Integral Transforms, Fourier Integral Theorem, Fourier Sine and Cosine Integrals, Fourier's Complex Integral, Fourier Transforms, Fourier Sine and Cosine Transforms, Properties of Fourier Transforms.

Recommended Text Book:

1. J.N.Sharma, A. R.Vasishtha: Real Analysis, Krishna Prakashan Media Pvt.Ltd., Meerut.
- 2.H.K.Dass: Advanced Engineering Mathematics, S.Chand & Company Ltd.(2004)

Scope:

Unit I: (Chapter 14) Article 9,10,13 [1]

(Chapter13) Articles13.1 to 13.15, Article 13.17 to 13.19 [2]

Unit II: (Chapter13) Articles13.20 to 13.29 [2]

Unit III: (Chapter13) Articles13.30 to 13.31 [2]

Unit IV: (Chapter14) Articles14.1 to 14.8 [2]

Reference Books:

1. Grove A.C.: An Introduction to Laplace Transforms and Z-Transforms, Prentice Hall 1991.
2. Doetsch G.: Introduction to Theory and Application of Laplace Transforms, Springer Verlag,1990.
3. Murray Spigel: Schaum Outline of Laplace Transforms, Schaum Outline Series, Mc-Graw Hill 2012.
4. Joel L.Schiff: The Laplace Transforms:Theory and Applications, Springer,2008.
5. R.J.Becrends, H.G.Morsche J.C.Vande Berg and E.M.Vande Vrie: Fourier and Laplace Transform,Cambridge Press,2003.



Skill Enhancement Courses

Course Code: MAT-303

Course Name: **Mechanics-I**

Credits:02

Total Periods: 60

Course Objectives:

Students will be able to describe forces, resultant of forces, vector moment of forces, moment of couple, laws and rules

Course Outcomes:

CO1: Describe different types of forces, triangle law of forces, Parallelogram of forces, resultant of forces, sine rule and cosine rule

CO2: Explain resultant of several co-planar forces, equation of the line of action of the resultant, equilibrium of a rigid body under three co-planar forces

CO3: Explain Lami's theorem and polygon of forces

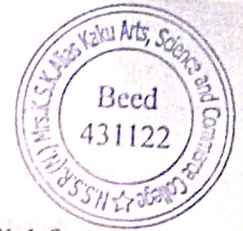
CO4: Explain vector moment of a force and vector moment of couple and describe basic concepts of centre of gravity and its applications

Unit I : Forces Acting on a Particle

Particle, Rigid body, Force, The force as a vector, Equilibrium, An Axiom for the equilibrium of two forces, Statics, Resultant of forces, Law of a parallelogram of forces, Principle of transmissibility of forces, Deductions, Resultant of forces $m.OA$ and $n.OB$, Components and resolved parts, The algebraic sum of resolved parts of two forces, To find the magnitude and direction of the resultant of any number of co-planar forces acting at a point, Resultant of parallel forces.

Unit II: Equilibrium of Forces Acting on a Particle

Triangle law of forces, Converse of the triangle law of forces, Polygon of forces, Lami's theorem, Conditions of equilibrium of forces acting on a particle.



Unit III: Forces Acting on a Rigid Body

Introduction, Moment of a force, Sum of vector moments of two like parallel forces, Couples, Conditions of equilibrium of forces acting on a rigid body, Trigonometrical Theorems.

Unit-IV: Centre of Gravity

Centroid of weighted points, Centre of gravity, Center of gravity of some uniform bodies.

Recommended Text Book:

V.Tulsani, T.V.Warehekar, N.N.Saste: Mechanics and Differential Geometry Second Edition (1987) , S.Chand and Co.(Pvt.)Ltd., New Delhi.

Scope: Part-I : Statics

Chapter (1): Complete

Chapter (2): Complete

Chapter (3): Complete

Chapter (4): Articles 4.1 to 4.7

Reference Books:

1. **S.L.Loney:** An Elementary Treatise on Statics, AITBS Publishers and Distributors, New Delhi.
2. **B.R.Thakur, G.P.Shrivastava :** Mechanics,Ram Prasad and Sons, Agra-3.
3. **M.L.Khanna:** Statics, Kedarnath Ramnath Prakashan, Meerut.



Course Code: **MAT/MJ/553P**

Credits: **02**

Max.Marks:50

Course Title: **Latex Typesetting-II**

Contact Hours: **30 (Clock Hours)**

Periods: 30

Course Objectives:

The purpose of this course is to build the skill of preparation of beamer presentation and article/book chapter.

Course Outcomes: Upon successful completion of this course student will be able to

CO1: Prepare document class and typesetting environment

CO2: Make presentation and article.

Course Contents:

Unit-I : Design it yourself: document class, page style, title page, customizing the style, line and page breaking, numbering, length, spaces and boxes, formatting with boxes, centring and flushing, list making environments, changing font type size and special symbols, picture, picture environments, picture objects, text, boxes, straight lines, arrow, stacks, circles, oval, framing, curve, grid, repeat patterns.

Unit-II : Making presentation slides in beamer class LaTeX, various styles in beamer presentation, dynamic slides. PostScript macros for Generic TeX (PsTrix): arguments, dimension, coordinates, angles, line styles, fill styles, custom styles, custom graphics, picture tools, text tricks, node and connection special tricks. Basics of MathJax, Mathjax configuration options.

Reference Books:

1. Kottwitz, S. LaTeX Beginner's Guide. Packt Publishing Ltd., UK, 2011.
2. Leslie L. A Document Preparation System User's Guide and Reference Manual, AddisonWesley Publishing Company, 2001.
3. Tantau,T.: User Guide to the Beamer Class, <http://latex-beamer.sourceforge.net>.
- 4.Oetiker,T.:The Not So Short Introduction to LATEX2E, <https://tobi.oetiker.ch/lshort/lshort.pdf>.

NSSR (N)



Mrs. Kesharbai Sonajirao Kshirsagar Alias Kaku Arts Commerce and Science College, Beed

1.3.1 - Curriculum Enrichment

Details on institutional integrating cross cutting issues relevant to professional ethics, gender, human values, environmental and sustainabilities into curriculum

Name of Teacher: Dr. Raut S. R.

Name of the department: Mathematics

Paper/Course No. and name of the course	Semester	Curriculum details	Cross cutting issues present in the curriculum (professional ethics, gender, human values, environmental and sustainabilities into curriculum)
B. Sc. F. Y Maths Paper no - MAT-1012 Geometry	I	Three dimensional Geometry - Plane, Right Line Sphere, cone, cylinders.	Geometrical aspects in space study using three dimensions.
B. Sc. S. Y Maths Paper no -	IV	Kinematics and Dynamics of a particle. Motion of a projectile	Awareness about Mathematics related to projectile motion.
M. Sc. II Maths Paper - MAT/MS 503P	I, II	Latex typesetting - I Preparing input Defining commands and environments	Student will able to create or import graphics

Name of Teacher:

HEAD.

Dept. of Mathematics
Mrs. K.S.K. Alias Kaku College, Beed

B.A./B.Sc. First Year
Semester – I
MAT-101: Geometry



(No. of Periods:60, Max.Marks: 50)

Course Description: This course provides elementary-level knowledge of Three-dimensional geometries especially plane, right line, sphere, cone, and cylinder.

Course Objectives: General objectives are to study three-dimensional geometry, plane, right line, sphere, cone and cylinder along with their properties and interpretations.

Course Outcomes: After successful completion of this course. The student will be able to identify and study equation of plane. Basic idea of lines, sphere, cones and cylinders.

Unit- I. The Plane:

Equations of the first degree in x, y, z , transformation to the normal form, determination of the plane under given conditions, equations of the plane through three given points, systems of planes, length of the perpendicular from a point to a plane. (15 Periods)

Unit-II. Right Line :

Equations of a line, equations of a straight line in terms of its direction cosines and the co-ordinates of a point on it, equations of a line through two points, symmetrical and unsymmetrical forms of the equations of a line, transformation of the equations of a line to symmetrical form, angle between a line and a plane. (10 Periods)

Unit-III. Applications of Right Line:

The condition that a given line may lie in a given plane, the condition that two given lines are coplanar, number of arbitrary constants in the equations of a straight line, sets of conditions which determine a line, the shortest distance between two lines, the length and equations of the line of shortest distance between two straight lines, length of perpendicular from a given point to a given line. (10 Periods)

Dr. Bhausaheb R. Sontakke
Chairman,
Board of Studies in Mathematics,
Dr. Babasaheb Ambedkar Marathwada
University, Aurangabad (M.S.)



Unit-IV.Sphere:

Definition and equations of the sphere, equation of the sphere through four given points, plane section of a sphere, intersection of a spheres, equations of two spheres, equation of a circle, sphere through a given circle, intersection of a sphere and a line. (15 Periods)

Unit –V.Cones and Cylinders:

The right circular cone, equation of a right circular cone, the right circular cylinder, equation of a right circular cylinder. (10 Periods)

Recommended Text Book:

[1] Shanti Narayan and P. K. Mittal: Analytical Solid Geometry, S. Chand and Company Ltd, New Delhi, Seventeenth Edition, 2013.

Scope:

Chapter 2: Articles 2.1, 2.3, 2.32, 2.4, 2.41, 2.42, 2.5, 2.7

Chapter 3: Articles 3.1, 3.1.1, 3.1.2, 3.1.3, 3.1.4, 3.2 to 3.5, 3.6, 3.61, 3.7

Chapter 6: Articles 6.1, 6.1.1, 6.1.2, 6.1.3, 6.2, 6.3.1, 6.3.2, 6.4, 6.4.1, 6.5

Chapter 7: Articles 7.6.1, 7.6.2, 7.8.1, 7.8.2

Reference Books:

1. Text Book of Coordinate Geometry, By Gorakh Prasad and H. C. Gupta, Pothishala Pvt. Ltd. Allahabad, 2000.

2. The Elements of Coordinate Geometry, By S. L. Loney, Mc-Millan and Company, London, 1895.

3. A Text Book of Analytical Geometry of Three dimensions, By P. K. Jain and Khalil Ahmad, Wiley Eastern Ltd. 2018.

4. Elementary Treatise on Co-ordinate geometry of three Dimensions by R.J.T. Bell, Mac Millan India Ltd.

Skill Enhancement Courses



Course Code: MAT-403

Course Name: **Mechanics-II**

Credits:02

Total Periods: 60

Course Objectives:

Students will be able to find the velocity, acceleration, speed, angular momentum, field of force and motion under gravity.

Course Outcomes:

CO1: Find velocity and acceleration in terms of vector derivatives, curvature, Angular speed and angular velocity

CO2: Describe Radial and Transverse components of velocity and acceleration, areal speed and velocity

CO3: Explain Newton's Law of motion, angular momentum, work, energy, vector point function, Field of force.

CO4: Describe motion under gravity, projectile, Motion of projectile, Parabola of safety, motion in resisting medium, areal velocity of central orbit, Pedal's equation.

Unit-I: Kinematics and Dynamics of a Particle in two Dimensions

Introduction, Definitions, Velocity and acceleration in terms of vector derivatives, Tangent and unit vector along the tangent, Rate of change of unit vector moving in a plane, Curvature, principal normal, Tangential and normal components of velocity and acceleration, Angular speed and angular velocity, Radial and transverse components of velocity and acceleration, Areal speed and areal velocity.

Unit-II: Kinetics of a Particle

Introduction, Newton's law of motion, Matter, Linear momentum, Angular momentum, An Impulsive force and its impulse, Conservation of linear momentum, Impact of two bodies, Work, Energy, Scalar point function, Vector point function, Field of force, Conservative field of force.



Unit-III : Motion of a Projectile and Motion in a Resisting Medium

Rectilinear motion, Motion under gravity, Projectile, Motion of projectile, Range on an inclined plane, Parabola of safety, Projectile to pass through a given point, Motion in a resisting medium, Motion of a body moving under gravity and in a medium whose resistance varies as velocity.

Unit-IV: Central Orbits

Definitions, Areal velocity in central orbit, Differential equation of central orbit, Apses, Law of force, Pedal equation of some curves.

Recommended Text Book:

V.Tulsani, T.V.Warehekar, N.N.Saste: Mechanics and Differential Geometry Second Edition (1987) , S.Chand and Co.(Pvt.)Ltd., New Delhi.

Scope: Part-II : Dynamics of a Particle

Chapter (1): Complete

Chapter (2): Complete

Chapter (3): Complete

Chapter (4): Articles 4.01 to 4.10

Reference Books:

- 1. S.L.Loney:** An Elementary Treatise on Statics, AITBS Publishers and Distributors, New Delhi.
- 2. B.R.Thakur, G.P.Shrivastava :** Mechanics, Ram Prasad and Sons, Agra-3.
- 3. M.L.Khanna:** Dynamics, Kedarnath Ramnath Prakashan, Meerut.



Course Code: MAT/MJ/503P

Credits: 02

Max.Marks:50

Course Title: Latex Typesetting-I

Contact Hours: 30 (Clock Hours)

Periods: 30

Course Objectives:

The purpose of this course is to acquaint students with the latest typesetting skills.

Course Outcomes:

CO1: Typeset mathematical formulas, use nested list, tabular & array environments,

CO2: Create or import graphics.

Course Contents:

Unit-I

Preparing an input file, sentences and paragraphs, the document class, sectioning, display material, running Latex, changing the type style, producing mathematical symbols and mathematical formulae, arrays, delimiters, multiline formulae, putting one thing on other, spacing in math mode.

Unit-II

Defining command and environments, producing and including graphics in a Latex file, figures and other floating bodies, lining it up in columns, table of content, cross-reference, bibliography and citation, making index and glossary, slides, overlays and notes, letters.

Reference Books:

1. Kottwitz, S. LaTeX Beginner's Guide. Packt Publishing Ltd., UK, 2011.
2. Leslie L. A Document Preparation System User's Guide and Reference Manual, AddisonWesley Publishing Company, 2001.
3. Tantau, T.: User Guide to the Beamer Class, <http://latex-beamer.sourceforge.net>.
4. Oetiker, T.: The Not So Short Introduction to LATEX2E, <https://tobi.oetiker.ch/lshort/lshort.pdf>.

Mrs. K.S.K. College Beed

Department of Home Science



Sr.No	Particulars	Class	Paper No.	Paper Name	Related point
1	Human values	B.A.F.Y. Semester I	I	Introduction to Family Resource Management	Values-meaning, definition, sources, importance
2	Environment	B.A.S.Y. Semester III	VI	Textile and Clothing	Natural Dyes-Plant, animal, mineral
3	Professional Ethics	B.A.T.Y. Semester VI	XV	Communication Process in Home Science	Leadership
4	Gender Equality	B.A.T.Y. Semester V	IX	Marriage and Family Dynamics	Laws related to Women, Marriage and Family
5	Professional Ethics	B.A.T.Y. Semester VI	XIII	Adulthood and Old age	Vocational Adjustments

M. Khandat
23.10.23
Dr. Maya Khandat
Research Guide
HOD, Dept. of Home Science
Mrs. K.S.K. College, Beed. (MH.)

**DR. BABASAHEB AMBEDKAR MARATHWADA
UNIVERSITY, AURANGABAD**



Name of the Course : B.A. Ist year Home Science
Semester : 1st
Paper No. and Title : I-Introduction to Family Resource
Management

Unit III : Factors motivating management

Credit

1.0

- a) Values – Meaning, Definition, Sources, Importance
- b) Goals – Meaning, Definition & types.
- c) Standards – Meanings, Definition, Classification & Types
- d) Decision making – Meaning, importance, types, Steps

**DR. BABASHAEB AMBEDKAR MARATHWADA UNIVERSITY,
AURANGABAD**

Name of the Course: B. A. II. Home Science

Semester : IIIrd

Paper No. & Title ; VI Textile and Clothing (Fibre To Fabric)

Unit: III Clothing dyes and printing (Credit 1)

a) Classification of dyes-

i. Naturals dyes- Plant, Animal, Mineral

ii. Synthetics dyes- Acid, Direct, Basic, Mordant, Reactive, Vat, Sulphur And disperse. b) Introduction of printing-

i. Direct printing- Roller printing, Block printing and Stencil Printing, Screen
c) Printing

ii. Resist Printing- Bandhani Printing, Batik Printing.

iii. Discharge Printing.



**DR. BABASHAEB AMBEDKAR MARATHWADA UNIVERSITY,
AURANGABAD**

Name of the Course: B. A. III Year. Home Science

Semester: VI

Paper No. & Title; XV-Communication Process in Home Science

Unit IV-Leadership

1. Concept, importance & characteristics
2. Qualities of Leader
3. Functions of leadership in development
4. Roll of leadership in development of Community

**DR. BABASHAEB AMBEDKAR MARATHWADA UNIVERSITY,
AURANGABAD**

Name of the Course: B. A. III Year. Home Science

Semester: V

Paper No. & Title; IX-Marriage & Family Dynamics

Unit IV a) Laws related to Women, Marriage & Family

1. Hindu marriage act, Special marriage act
2. PCPNDT Act, family violence act
3. Sexual harassment at work place (Vishakha) dowry and child marriage

b) Counselling

Scope, definition, importance.

1. Premarital, post marital family and vocational counseling.



**DR. BABASHAEB AMBEDKAR MARATHWADA UNIVERSITY,
AURANGABAD**

Name of the Course: B. A. III Year. Home Science

Semester: VI

Paper No. & Title; XII-Human Development (Adulthood & Old age)

Professional Ethics

Unit I Early Adulthood (age 18 to 40 yrs)

1. Stages of adulthood, characteristics of early adulthood
2. Development tasks and adjustments in early ^{adulthood -} childhood
3. Changes in interests-physical appearance, cloths, money material possession, and recreation, Social.
4. Vocational adjustments-selection of vocation, stability in vocation, adjustment to work and achievements



बी. ए./ बी. एस्सी. / बी. कॉम./ बी. एफ. ए./ बी. एस. डब्ल्यू प्रथम वर्ष प्रथम सत्र (सितंबर 1981)

(द्वितीय भाषा)

प्रश्नपत्र - सामान्य हिन्दी

HIN SL - AECC - 1

अंक 50

उद्देश्य :

- साहित्य संवेदनाओं का विकास करना।
- हिन्दी कहानी का सामान्य परिचय करना।
- कहानी का रसास्वादन एवं सृजन क्षमता का विकास करना।
- भाषा कौशल का विकास करना।
- अध्ययन-अध्यापन पद्धति

- 1) व्याख्यान
- 2) एक-श्राव्य माध्यम
- 3) सेमिनार
- 4) चर्चासत्र

पाठ्यक्रम :

अ) कहानी साहित्य

पाठ्यपुस्तक - 1) कथा साहित्य - सम्पादक हिन्दी अध्ययन मण्डल, वाणी प्रकाशन, नई दिल्ली

पाठ्यक्रम में समाविष्ट कहानियाँ :-

1. प्रेमचन्द - पूस की रात
2. जयशंकर प्रसाद - ममता
3. सुदर्शन - हार की जीत
4. अन्तर्भावना वर्मा - मुगलों ने सन्ततत बरखा दी
5. फणीश्वरनाथ रेणु - तीसरी कामरा
6. जगन्मोहन - डिप्टी कमलटी
7. मोहन राकेश - आर्द्रा
8. चर्चोत्तर भारती - गुलकी बन्नी
9. मन्नू भण्डारी - यही सच है
10. उषा प्रियंवदा - तापसी
11. रमणिका गुप्ता - दास दिया सच
12. स्वदेश दीपक - रफूजी

आ) हिन्दी भाषा :

1. हिन्दी भाषा उद्गम और विकास : सामान्य परिचय
2. हिन्दी मानक वर्णमाला एवं अंक लेखन
3. व्याकरणिक कोटियाँ- नियम, वचन, कारक
4. भाषा कौशल - श्रवण, भाषण, वाचन एवं लेखन

सन्दर्भ ग्रन्थ :

- 1) हिन्दी कहानी के सौ वर्ष - डॉ. एन. एम. सण्णी, जवाहर पुस्तकालय आगरा
- 2) हिन्दी कहानी. अन्तरंग पहचान - रामदत्त मिश्र, वाणी प्रकाशन, नई दिल्ली
- 3) समकालीन कहानी तथा परिप्रेक्ष्य - पुष्पपाल सिंह, सांख्यिक प्रकाशन, नई दिल्ली
- 4) हिन्दी भाषा का उद्गम और विकास - उदयनारायण तिवारी, लोकभारती प्रकाशन, नई दिल्ली
- 5) भाषा विज्ञान - सामान्य तिकारी वाणी प्रकाशन, नई दिल्ली
- 6) भाषा शिक्षण - डॉ. हनुमानचरण पटिल, डॉ. सुधाकर शंकर, विद्या प्रकाशन, नई दिल्ली
- 7) व्यावहारिक हिन्दी व्याकरण हरदेव वाहरी लोकभारती प्रकाशन, इलाहाबाद
- 8) प्रयोजनमूलक हिन्दी - डॉ. माधव सोनटकर, लोकभारती प्रकाशन, इलाहाबाद
- 9) व्यावहारिक हिन्दी - डॉ. माधव सोनटकर, जनभारती प्रकाशन, इलाहाबाद
- 10) प्रयोजनमूलक हिन्दी - डॉ. अंबिकाश देशमुख, शैलजा प्रकाशन, कलकत्ता

जो अधिक जानकारी चाहिए

अंक - 30

अंक 20

विभागाध्यक्ष, हिन्दी विभाग, अलीगढ़

बी.ए. / बी. कॉम. / बी. एस्सी. / बी. एफ. ए. / बी. एस. इत्यादि



द्वितीय वर्ष, चतुर्थ सत्र
BA II - IV Sem
(द्वितीय भाषा) सामान्य हिंदी

प्रश्नपत्र - 4

HINDI SL - AECC - 4

उद्देश्य :

- गद्य साहित्य के पठन - पाठन की अभिरुचि को विकसित कराना।
- छात्रों में व्यक्तिगत, सामाजिक तथा राष्ट्रीय मूल्यों के प्रति जागृति कराना।
- भाषा के स्वरूप और अवधारणा को समझाना।
- हिंदी के प्रयोजनपरक आयामों का परिचय कराना।
- छात्रों में भाषिक कौशल विकसित कराना।

अध्ययन अध्यापन पद्धति :

- व्याख्यान, चर्चा - परिचर्चा, संवाद पद्धति।
- लेखन एवं पठन कौशल वृद्धि के लिए अभ्यास।
- अध्यापन में नव-इलेक्ट्रॉनिक माध्यमों का आवश्यकतानुरूप प्रयोग।
- मौखिक प्रश्नोत्तर, गृहकार्य, इकाई लिखित परीक्षा संयोजन मूल्यांकन।

पाठ्यक्रम

पाठ्यपुस्तक :

- अ) गद्य विभा : संपादक, हिंदी अध्ययन मंडल,
डॉ. बाबासाहेब आंबेडकर मराठवाडा विश्वविद्यालय, औरंगाबाद।

पाठ्यक्रम में समाविष्ट रचनाएँ : पयकिरठा के प्रती संवेरना की हारि

1. पर्यावरण : हमारे जीवन में वनों का महत्त्व - कन्हैयालाल माणिकलाल मुन्शी
2. व्यंग्य : प्राइवेट कॉलेज का घोषणा-पत्र - हरिशंकर परसाई
3. ललित निबंध : माँ की लोरी; रस की गागर - श्रीराम परिहार
4. जीवनी अंश : धरती और धान - पाण्डेय बेचन शर्मा 'उग्र'
5. एकांकी : सूखी डाली - उपेन्द्रनाथ अशक



3. संस्कारण - वैशिवीकरण गुण - मृदुली तम
4. निबंध - मनुष्य की सर्वोत्तम कृति - साहित्य - हमारी प्रभात दृष्टि
5. वाचा साहित्य - साहित्यिकेक्षण में - एकुत संस्कृतमम

आ) प्रयोजनमूलक हिंदी - व्यावसायिक मैतिकता का कोश (संग्रह)

1) भाषा का स्वरूप

- अ) भाषा अर्थ, परिभाषा और स्वरूप
- आ) भाषा की विशेषताएं
- इ) भाषा के वर्ग
- ई) भाषा के विविध रूप (बोली, विभाषा, राजभाषा, राष्ट्रभाषा, मातृभाषा, प्रयोजनमूलक भाषा)

2) हिंदी भाषा

- अ) भारत की संवैधानिक और अधिकारिक भाषाएँ
- आ) हिंदी भाषा क्षेत्र और बोलियों का सामान्य परिचय
- इ) हिंदी भाषा का वैश्विक परिदृश्य

3) अनुवाद

- अ) अनुवाद : अर्थ, परिभाषा और स्वरूप
- आ) अनुवाद प्रक्रिया
- इ) अनुवाद के प्रकार
- ई) अनुवाद के गुण
- उ) अनुवाद : करियर की सम्भावनाएँ

संदर्भ ग्रंथ :

1. साहित्य विधाओं की प्रकृति : देवी शंकर अवस्थी
2. हिंदी गद्य : विन्यास और विकास : डॉ. रामस्वरूप चतुर्वेदी
3. हिंदी का गद्य पर्व - डॉ. नामवर सिंह
4. हिंदी के अद्यतन अनुप्रयोग : डॉ. माधव सोनटक्के
5. भाषा विज्ञान तथा हिंदी भाषा का इतिहास - डॉ. हनुमंत पाटील/डॉ. सुधाकर शेटकी
6. प्रयोजनमूलक हिंदी आधुनातन आशाम - डॉ. अंबादास देसमुख

प्रो. अमर्ष पाटील
 प्राध्यापक हिंदी, राजमन्दीर कलेज

वी.ए. तृतीय वर्ष

पेपर क्र. IX - प्रादेशिक साहित्य

पंचम सत्र (Semester-V)



उद्देश्य	:		
	१	साहित्य अस्वादन-अभिरुचि का परिसंस्कार	
	२	जीवन मूल्यों के प्रति आस्था	
	३	प्रादेशिक साहित्य का ज्ञान	
	४	भारतीय साहित्य का अध्ययन	
अध्ययन-अध्यायन पद्धति	:		
	१	व्याख्यान पद्धति	
	२	लेखन एवं पठन कौशल विकास के लिए अभ्यास	
पाठ्यक्रम	:	अ. मराठी साहित्य	
	१	मराठी का कहानी साहित्य : सामान्य परिचय	
	२	दलित आत्मकथा साहित्य : सामान्य परिचय	मानकी मूल्यों का कोश स्व-समता विकास
पाठ्यपुस्तके:			
	१	प्रतिनिधि कहानी : मराठी संपा: डॉ. माधव सोनटक्के, राजकमल प्रकाशन, नई दिल्ली	
	२	पराया: लक्ष्मण माने अनुवादक डॉ. दामोदर खडसे साहित्य अकादमी, रवीन्द्र भवन, फीरोजशाहा रोड, नई दिल्ली	मानकी मूल्य

NSSR (N)

Mrs. Kesharbai Sonajirao Kshirsagar Alias Kaku Arts Commerce and Science College, Beed

1.3.1- Curriculum Enrichment

Details on institutional integrating cross cutting issues relevant to professional ethics, gender, human values, environmental and sustainabilities into curriculum

Name of the Teacher: Prof. R.M. Gulve

Name of the Department: Microbiology

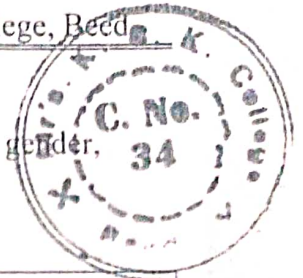
Paper/ Course No. and name of the course	Semester	Curriculum details	Cross cutting issues present in the Curriculum (ethics, gender, human values, environmental and sustainabilities into curriculum)
MCB-311 Environ- -mental microbio- -logy.	S. Y. B.Sc. III.	Air, water & Soil: Pollution, Diseases, Purification, Sewage treat- -ment.	Environmental pollution & bioremedia- -tion techniques. greener approach to resolve pollution problems.
MCB-612 Industrial Microbiolo- -logy.	B.Sc T. Y. VI	Fermentation techniques; equipment; QC; QA pro- -cedures.	- Production of value added products for mankind.
XIII Recombinant DNA technology	M.Sc. S. Y.	Chimeric DNA technique; Steps Screening of recombinants Production of vaccines	Ethical issues regarding gene pool.

Name of the Teacher: Prof. R.M. Gulve.

Rme

Head
Head

Dpt. of Microbiology
Mrs. K.S.K. College Beed



1.3.1 – Curriculum Enrichment

Details on institutional integrating cross cutting issues relevant to professional ethics, gender, human values, environmental and sustainability into curriculum.

Name of Teacher: All Faculty

Name of the Department: Zoology

Paper/ Course No. and name of the Course	Semester	Curriculum details	Cross cutting issues present in the curriculum (professional ethics, gender, human values, environmental and sustainability into curriculum)
B.Sc.			
Paper - I Animal Diversity-I (Protozoa to Echinodermata)	I	General organization, diversity and adaptations of animals	Importance of biodiversity conservation. (Environmental Ethics)
Paper - II Cell Biology	I	Structure and function of animal cell, energy efficiency of small cell and function of cell	Importance of the basic of life. human values
Paper - III Practical paper based on Protozoa to Echinodermata and Cell Biology	I	Identification, General organization, diversity and adaptations of animals, Micro-slides, photographs, digital slides, models etc.	Habit, habitat & characteristic features and economic importance of animals. (Environmental Ethics)
Paper-IV Protochordata to Mammals	II	General characters and classification of chordates	Understand the increasing complexity of organization from lower to higher chordates.
Paper-V Genetics	II	Hereditary Biology and Mechanism	Evolved in hereditary disease and disorders, genetics and heredity. professional ethics
Paper-VI Protozoa to Mammals and Genetics	II	Mutant of humans, hereditary characters involvement	Awareness regarding zoological parks and national sanctuaries. Awareness regarding endangered species. Human values.
Paper-V Developmental Biology	III	Concept of early development of animals	To study the process of embryonic development in animals.
Paper-VI Ecology	III	Interaction of organism with environment and ecosystem	Awareness of current environment issue, pollution and understanding between structure and function of ecosystem. Scope of modern scientific enquiry in the field of ecology. (Environmental Ethics)
Paper-VII Developmental Biology of vertebrates	III	Development of various animals and their behaviour	Awareness regarding the basic development of animals and their behaviour. (Environmental Ethics)

Paper-VIII Ecology & Environmental Biology	III	Erosion of soil, Importance of water ecosystem	Awareness about the soil in day to day human life and need of conservation. (Environmental Ethics)
CEC Skill enhancement - Course (Haematology)	III	Composition and function of human blood	Study of blood cells, importance of blood bank, processing and storage of blood. Human values.
Paper-VII Biochemistry and Endocrinology	IV	Structure and function of endocrine system	Study of various issues linked with chemicals and human. human values
Paper-VIII Evolution	IV	Factors involving in evolution process-molecular genetics.	Theories and concept of evolution. (Environmental Ethics)
CEC Skill enhancement Course (Micro-techniques)	IV	Micro techniques	Methods in the storage and histological process in tissue. professional ethics
Paper-XV Ecology	V	Biotic and abiotic environmental factors	Factors affecting to biotic and abiotic factors due to human being, community ecosystem, rate of mortality.
Paper-XVI Fishery Science-I	V	Capture fishery in India	History of fisheries, fresh water fisheries in India and their distribution and food value of fish in human life
Paper-XIX Evolution	VI	Origin of life, organic evolution, basic pattern of evolution fossils	To give the information about fossils and their existence on earth from years to years. professional ethics
Paper-XX Fishery Science-II	VI	Fish culture and fish technology	Construction of ponds, fish disease and breeding of fishes and their importance in ecosystem and fish food value for human being
M.Sc.			
ZOO/MJ/500 Biosystematics and Animal Diversity	I	General organization, diversity and adaptations of animals	Importance of biodiversity conservation. (Environmental Ethics)
ZOO/MJ/501 Biochemistry		Structure and function of various chemicals	Study of various issues linked with chemicals and human.
ZOO/MJ/502 Ecology (Principal & Practices)		Importance of ecosystem and working	the students will understand the human influence and living deteriorate
ZOO/DSE/507 Helminthology-I		The students will learn how helminth survive in human body.	By studying this course students will develop the ability to collect, identify important cestodes and trematodes from locally available hosts.
ZOO/RM/515			

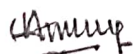
Research Methodology		To learn about how to organize and conduct research in a more appropriate manner.	This course helps to increase the curiosity of student's research attitude.
ZOO/MJ/550	II	Hereditary Biology and Mechanism	Evolved in hereditary disease and disorders, genetics and heredity
Genetics & Bioinformatics			
ZOO/MJ/551		To understand basic unit of life and the molecular biology of the cellular functions.	The students will learn in detail the central dogma of molecular biology in prokaryotes and eukaryotes.
Cell & Molecular Biology			
ZOO/MJ/552		To understand the aspect of human immunology such as antigens, antibody.	By the end of the following course students will able to understand and explain the types of tissues cells and molecules.
Immunobiology			
ZOO/DSE/557	students will develop the ability to collect, identify important nematodes and plant nema	This course will prepare the experts in the field of Nematology. (Environmental Ethics)	
Helminthology-II			
ZOO-301	III	Concept of early development of animals	To study the process of embryonic development in animals. (Environmental Ethics)
Developmental Biology			
ZOO-302		To understand the aspect of human immunology such as antigens, antibody.	By the end of the following course students will able to understand and explain the types of tissues cells and molecules. Human values.
Immunobiology			
ZOO-S308	Capture fishery in India	History of fisheries, fresh water fisheries in India and their distribution and food value of fish in human life	
Pisciculture			
ZOO-401	IV	Factors involving in evolution process-molecular genetics.	Theories and concept of evolution. (Environmental Ethics)
Evolution & Behaviour			

Name of Teacher

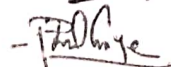
1. Dr. A.N. Shelke



2. Dr. P.B. Sirsat



3. Dr. P.P. Gaike



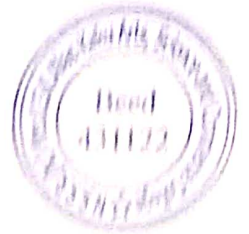
4. Mr. A.D. Kaldhon



Head of the Department

Head

Department of Zoology,
Mrs.K.S.K. College, Beed.



1998 (11)

Mrs. K. S. K. College, Hood

1.1.1 - Curriculum Enrichment

Details of institutional integrating cross cutting issues relevant to professional ethics, gender, human values, environmental and sustainability into curriculum

Name: Dr. Shantika R.

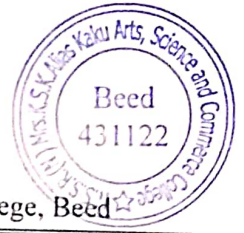
Name of Department: Dept of phy. education

Paper/No. and name of the course	Semester	Curriculum details	Cross cutting issues present in the curriculum (professional ethics, gender, human values, environmental and sustainability into curriculum)
<u>B.D.T.Y principles and recent development of phy. edu</u>	<u>II</u>	<u>Recent development of phy. education Sports and games organization in india Role of association and sports federations</u>	<u>Structure of phy. edu. in sports for detection, phy. edu. at pre-primary and primary level, secondary and higher school level, phy. edu. university level</u>
<u>B.D.S.Y. phy. edu. application of coaching and training methods of phy. edu.</u>	<u>V</u>	<u>Development and advancement of coaching skills of gender equality and foreign</u>	<u>Introduction to students of necessity and coaching and awareness of gender coaching.</u>
<u>B.D.T.Y organization formalization & supervision in phy. edu. path and I.A.B. and youth services</u>	<u>VI</u>	<u>Supervision in phy. education meaning and purpose and scope of supervision</u>	<u>Introduction to student supervision in phy. education, its scope, objectives and features and gender awareness of supervision</u>

Name: [Signature]

Head: [Signature]

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Mrs K S K, College, Hood



Mrs. Kesharbai Sonajirao Kshirsagar Alias Kaku Arts Commerce and Science College, Beed

1.3.1 - Curriculum Enrichment

Details of institutional integrating cross cutting issues relevant to professional ethics, gender, human values, environmental and sustainabilities into curriculum

Name of the Faculty: Dr. Sayyad S. N.

Name of the Department: Physical Education

Paper/Course No. and name of the course	Semester	Curriculum details	Cross cutting issues present in the curriculum (professional ethics, gender, human values, environmental and sustainabilities into curriculum)
B.A.F.Y. Phy. Edu. Principles of Phy. Edu. & current development of Phy. Edu.	II	Unit-I - meaning & definition of philosophy & phy. Edu. ① Idealism ② Naturalism ③ Realism ④ Humanism.	Introduce to students with philosophy & phy. Edu. Idealism, Naturalism, Realism, & Humanism.
B.A.S.Y. Phy. Edu. officiating & coaching and training methods of Phy. Edu. & sports.	IV	Unit - I Meaning & definition of officiating, duties of good coach.	Introduce to students officiating & coaching & qualities of good coaches.
B.A.T.Y. Phy. Edu. organization Administration & supervision in Phy. Edu. Youth welfare & youth services.	VI	Unit - I organization Administration & supervision Meaning & scope, objectives & Guiding Principles.	Introduce to students organization, Administration & supervision in phy. Edu. Guiding principles of organization Administration & supervision.

Name of the Faculty: Dr. Sayyad S. N.

Head

H.O.D.
Dept. Of Phy Edu
Mrs K S K College, Beed

1.3.1 - Curriculum Enrichment

Details on institutional integrating cross cutting issues relevant to professional ethics, gender, human values, environmental and sustainabilities into curriculum

Name of Teacher: Gaware Sonali Ramrao

Name of the department: Department of Computer Science



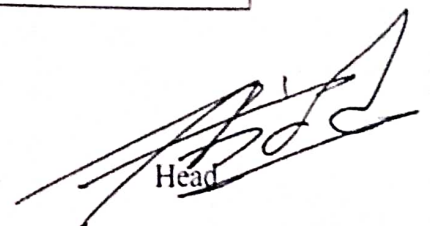
Paper/Course No. and name of the course	Semester	Curriculum details	Cross cutting issues present in the curriculum (professional ethics, gender, human values, environmental and sustain abilities into curriculum)
B.Sc. FY Computer Sci. Paper No: CMP-112 Operating System	I	Operating System Fundamental, I/O Management Memory Management	Human Values: Students acquire basic knowledge about computer system., storage Management.
B.Sc. FY Computer Sci. Paper No: CMP-211 Digital Electronics	II	Logic Gates, Combinational and Sequential circuits	Professional: To impart basic knowledge in digital logic and circuits. Design basic combinational and sequential circuits.
B.Sc. SY Computer Sci. Paper No: CMP-311 Data Structure	III	Introduction to Data structures and algorithms	Professional: To provide basic knowledge about how data structure is implemented and processed. Students acquire knowledge of Professional programming.
B.Sc. SY Computer Sci. Paper No: CMP-411 DBMS With SQL	IV	Introducing DBMS, SQL Data Normalization	Professional: Students acquire knowledge about DBMS, Design and build database. Build real time applications.
B.Sc. TY Computer Sci. Paper no: CS016 Web Designing	V	Introducing HTML Introducing Java Script Introducing CSS	Professional: Students develop client-side website. Design website
B.Sc. TY Computer Sci. Paper no: CS020 Ethics and Cyber Law	VI	Cyber Law, Cyber security, Information Technology Act 2000 Cyber Law	Professional: Inculcate the students to professionally deal with white hat security.
M.Sc. I Computer Sci.	I	Introduction to Algorithms and analysis	Professional: Design and implement efficient algorithms to solve computational problems.



Paper: CSC 500 Introduction to Algorithms			
M.Sc. I Computer Sci. Paper: CSC 502 Sensors and Actuators	I	Introduction to different types of Sensors and Actuators	Professional: Inculcate the students to professionally real time sensor and actuator design.
M.Sc. I Computer Sci. Paper: CSC 505 Python Programming	I	Introduction to Python, Functions and modules	Professional: Students acquire knowledge of core concepts of python programming.
M.Sc. I Computer Sci. Paper: CSC 552 Microcontroller Programming using Python	II	Microcontroller Programming using Python, interfacing with microcontrollers	Professional: Enable students to develop real world applications
M.Sc. I Computer Sci. Paper: CSC 555 Advanced Python	II	Advanced data structures and algorithms in python	Professional: Enable to real world case studies.
M.Sc. II Computer Sci. Paper: Android	III	Introduction to Android concepts.	Professional: Students to learn advance technology and apply on building real applications.
M.Sc. II Computer Sci. Paper: 442 Data Warehousing	III	Data warehouse Design Practice and methodologies	Professional: Perform operations on pivot table. Deal with data warehouse problems.
M.Sc. II Computer Sci. Paper: 452 Big Data Analytics	III	Data Processing, Introduction data warehousing and mining, HADOOP	Professional: Design of data warehouses, To use different data mining tools.
M.Sc. II Computer Sci. Paper: Dissertation	IV	Dissertation	Professional: Practice on real job situation.

Name of Teacher:

Gawase S.R. SR Gawase


Head

Head of Department
Computer Science
Mrs. K.S.K. College



1.3.1 –Curriculum Enrichment

Details on institutional integrating cross cutting issues relevant to professional ethics, gender, human values, environmental and sustainabilities into curriculum

Name of Teacher: Dr. A. R. Shaikh

Name of the department: Computer Department

Paper/Course No. and name of the course	Semester	Curriculum details	Cross cutting issues present in the curriculum (professional ethics, gender, human values, environmental and sustainability into curriculum)
B.Sc F.Y. CMP - 111 Computer Fundamental	I	Computer Hardware, Components, Number System, CPU works, about algorithms & flowchart, Software, Internet, WWW, arithmetic	Introduce to students with Hardware/software professional ethics, gender, human values, sustainability.
B.Sc F.Y. CMP212 Basic C Prog.	II	Basic c programming, algorithm. and flowchart	To Development Programming and Software, Professional ethics, sustainability, human values
B.Sc S.Y. CMP-312 Adv. Programming in 'C'	III	Depth knowledge of C language, to understand advanced features of C Programming Language, Function, Structures, Unions, Pointer & Files and Preprocessors	To Development Programming and Software, Professional ethics, sustainability, human values
B.Sc S.Y. CMP412 OOPs C++	IV	Introduction of OOP, algorithms thinking & problem solving, object and class	To Development Programming and Software, Professional ethics, sustainability, human values
B.Sc T.Y. CS-015 Software Engineering	V	Software and Engineering, Process, Models, Agile, Extreme Programming (XP), Principles That Guide Practice	To Development software and software engineering Professional ethics, sustainability
B.Sc T.Y CS 019 DCN	VI	Network topologies, transmission media, modulation, data network and protocol	To Development Router and Networking Professional ethics, sustainability

Name of Teacher:

Head



1.3.1 –Curriculum Enrichment

Details on institutional integrating cross cutting issues relevant to professional ethics, gender, human values, environmental and sustainabilities into curriculum

Name of Teacher: **Dr. A. R. Shaikh**

Name of the department: Department of Computer Science

Paper/Course No. and name of the course	Semester	Curriculum details	Cross cutting issues present in the curriculum (professional ethics, gender, human values, environmental and sustain abilities into curriculum)
M.Sc. I Year Computer Sci. Paper: CSC 501 Data Visualization	I	Introduction to Data Visualization, Data Types and Visualization Technique, Advanced Data Visualization	Professional: Students acquire knowledge of core concepts of python programming.
M.Sc. I Year Computer Sci. Paper: CSC 520 Soft Computing	I	Techniques of soft computing, fuzzy logic system, neural networks and evolutionary	Professional: Enable students to develop real world applications
M.Sc. I Year Computer Sci. Paper: CSC550 Digital Image Processing & Analytics	II	Introduction to digital image processing, enhancement techniques to improve image quality	Professional: Enable students to develop real world applications
M.Sc. I Year Computer Sci. Paper: CSC570 Fuzzy System	II	Introduction to Fuzzy system and applications, fuzzy systems in medical and healthcare applications	Professional: Enable to real world case studies.
M.Sc. II Year Computer Sci. Paper: CSC410 Compiler Design	III	Introduction to Android concepts.	Professional: Students to learn advance technology and apply on building real applications.
M.Sc. II Year Computer Sci. Paper: CSC411 Computer Graphics	III	Data warehouse Design Practice and methodologies	Professional: Perform operations on pivot table. Deal with data warehouse problems.
M.Sc. II Year Computer Sci. Paper: CSC419 Final Dissertation	IV	Final Dissertation	Professional: Design of data warehouses, To use different data mining tools.
M.Sc. II Year Computer Sci. Paper: CSC420 Seminar	IV	Seminar	Professional: Practice on real job situation.



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Mrs. Kesharbai Sonajirao Kshirsagar Alis Kaku Arts, Commerce and Science College, Beed.

1.3.1 –Curriculum Enrichment

Details institutional integrating cross cutting issues relevant to professional ethics, gender, human values, environmental and sustainabilities into curriculum.

Name of Teacher:- Dr. Surekha M. Joshi (Ratnaparkhi)

Name of Department :- Music

Paper/course No. & Name of course	Semester	Curriculum details	Cross cutting issues present in the curriculum (professional ethics, gender, human values, environmental and sustainabilities into curriculum.)
B.A. I (Music) Paper II (Practical- Indian classical music)	I & II	Theory of Ragas and practically presentation of Ragas.	professional ethics to become a Artist, Music teacher, musician, Audio recordist, music composer etc.
B.A. II (Music) Theory Indian classical music.	III & IV	Defination and details of various forms of Music.	
M.A. II (Music) Paper II Practical- Indian classical music)	I & II	Theory of Ragas and practically presentation of Ragas. Detail study of Indian musical ragas.	professional ethics to become a Artist, Music teacher, musician, Audio recordist, music composer etc.

S.M. Joshi

Dr. S. M. Joshi
Head of the Music Dept.
Mrs. K. S. K. College, Beed.