

CRITERION – I
CURRICULAR ASPECTS

METRIC NO: 1.3.1



METRIC NAME: Institution Integrates Crosscutting Issues Relevant To Professional Ethics, Gender, Human Values, Environment And Sustainability Into The Curriculum.

Arts, Commerce and Science College, Kharepatan is affiliated to University of Mumbai follows the curricula prescribed by the University for Hindi Course in the college. Institute integrates crosscutting issues relevant to professional-ethics; gender, human values, environment and sustainability into the curriculum are as follows...

3.1-INSTITUTION INTEGRATES CROSS-CUTTING ISSUES

Subject – HINDI

Sr. No.	CROSS CUTTING ISSUES (CCI)	CLASS	Paper Name	Course Code	TOPICS
1	PROFESSIONAL ETHICS व्यावसायिक नैतिकता	SYBA	Functional Hindi Paper-III	UAHIN 302	इकाई –I,II,III,IV,V
			Functional Hindi Paper-III	UAHIN 402	इकाई –I,II,III,IV,V
		TYBA	Information Technology In Hindi Paper-VI	UAHIN 503	इकाई –I,II,III,IV
		TYBA	Social Media Hindi Paper-VI	UAHIN 603	इकाई –I,II,III,IV
2	GENDER लिंग	FYBA	Hindi Compulsory	UAHINCO M 101	काव्य सरिता, कथा दर्पण
			Hindi Compulsory	UAHINCO M 201	काव्य सरिता, कथा दर्पण
		FYBA	Ancillary Hindi	UAHIN 101	कथा संचयन , गद्य के विविध आयाम
			Ancillary Hindi	UAHIN 201	गद्य के विविध आयाम जंगल के जुगनू (उपन्यास)
		SYBA	Hindi Paper-II	UAHIN 301	मध्यकालीन व आधुनिक काव्य स्वयंप्रभा (खंडकाव्य)
			Hindi Paper- II	UAHIN 401	व्यंग -वीथी , शकुंतीका (उपन्यास)
		TYBA	History Of Hindi Literature Paper-IV	UAHIN 501	इकाई –I,II,III,IV
			History Of Modern Hindi Literature Paper-IV	UAHIN 601	इकाई –I,II,III,IV
		TYBA	Post Independence Hindi Literature paper-V	UAHIN 502	काला पथर एकांकी सुमन
			Post Independence Hindi Literature paper-V	UAHIN 602	काव्य सौरभ कविता संग्रह, निबंध - विविधा निबंध संग्रह

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3	HUMAN VALUES मानवी मूल्य	FYBA	Hindi Compulsory	UAHINCO M 101	काव्य सरिता, कथा दर्पण
			Hindi Compulsory	UAHINCO M 201	काव्य सरिता, कथा दर्पण
		FYBA	Ancillary Hindi	UAHIN 101	कथा संचयन , गद्य के विविध आयाम
			Ancillary Hindi	UAHIN 201	गद्य के विविध आयाम जंगल के जुगनू (उपन्यास)
		SYBA	Hindi Paper-II	UAHIN 301	मध्यकालीन व आधुनिक काव्य स्वयंप्रभा (खंडकाव्य)
			Hindi Paper- II	UAHIN 401	व्यंग -वीथी , शकुंतीका (उपन्यास)
		TYBA	History Of Hindi Literature Paper-IV	UAHIN 501	इकाई -I,II,III,IV
			History Of Modern Hindi Literature Paper-IV	UAHIN 601	इकाई -I,II,III,IV
		TYBA	Post Independence Hindi Literature paper-V	UAHIN 502	काला पथर एकांकी सुमन
			Post Independence Hindi Literature paper-V	UAHIN 602	काव्य सौरभ कविता संग्रह, निबंध - विविधा निबंध संग्रह
4	ENVIRONME NT AND SUSTAINABI LITY पर्यावरण और स्थिरता	FYBA	Hindi Compulsory	UAHINCO M 101	काव्य सरिता, कथा दर्पण
			Hindi Compulsory	UAHINCO M 201	काव्य सरिता, कथा दर्पण
		FYBA	Ancillary Hindi	UAHIN 101	कथा संचयन , गद्य के विविध आयाम
			Ancillary Hindi	UAHIN 201	गद्य के विविध आयाम जंगल के जुगनू (उपन्यास)
		SYBA	Hindi Paper-II	UAHIN 301	मध्यकालीन व आधुनिक काव्य स्वयंप्रभा (खंडकाव्य)
			Hindi Paper- II	UAHIN 401	व्यंग -वीथी , शकुंतीका (उपन्यास)
		TYBA	History Of Hindi Literature Paper-IV	UAHIN 501	इकाई -I,II,III,IV
			History Of Modern Hindi Literature Paper-IV	UAHIN 601	इकाई -I,II,III,IV
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			Post Independence Hindi Literature paper-V	UAHIN 602	काव्य सौरभ कविता संग्रह, निबंध - विविधा निबंध संग्रह



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CRITERION – I
CURRICULAR ASPECTS
METRIC NO: 1.3.1

METRIC NAME: INSTITUTION INTEGRATES COSSCUTTING ISSUES RELEVANT TO PROFESSIONAL ETHICS, GENDER, HUMAN VALUES, ENVIRONMENT AND SUSTAINABILITY INTO THE CURRICULUM.

Arts, Commerce and Science College, Kharepatan is affiliated to University of Mumbai follows the curricula prescribed by the University for Marathi Course in the college. Institute integrates crosscutting issues relevant to professional-ethics; gender, human values, environment and sustainability into the curriculum are as follows...

3.1-INSTITUTION INTEGRATES CROSS-CUTTING ISSUES

Subject – Marathi

Sr. No.	CROSS CUTTING ISSUES (CCI)	CLASS	Paper Name	Paper No.	TOPICS
1	PROFESSIONAL ETHICS	FYBA	Marathi	Compulsory	व्यावहारिक मराठी
			Marathi	I	
		SYBA	Marathi	II	
			Marathi	III	मराठी व्याकरण, प्रमाणभाषा व बोली अभ्यास
		TYBA	Marathi	IV	
			Marathi	V	
			Marathi	VI	साहित्य, समाज आणि संस्कृती.
2	GENDER	FYBA	Marathi	Compulsory	
			Marathi	I	देव भावली-प्राजक्त देशमुख, माझं घर-जयंत पवार.
		SYBA	Marathi	II	आमदार सौभाग्यवती – श्रीनिवास जोशी (नाटक) निवडक एकांकिकाचा अभ्यास .



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			Marathi	III	मानवी भाषेचे स्वरूप.
		TYBA	Marathi	IV	
			Marathi	V	
			Marathi	VI	साहित्य आणि समाज
3	HUMAN VALUES	FYBA	Marathi	Compulsory	निवडक कथांचा अभ्यास.
			Marathi	I	परिपूर्ती-इरावती कर्वे, चर्चबेल-ग्रेस.
		SYBA	Marathi	II	फेसाटी-नवनाथ गोरे.(कादंबरी), बक-याची बॉडी-समर खडस(कथासंग्रह)
			Marathi	III	
		TYBA	Marathi	IV	
			Marathi	V	
			Marathi	VI	धग असतेच आसपास - कल्पना दुधाळ
4	ENVIRONMENT AND SUSTAINABILITY	FYBA	Marathi	Compulsory	
			Marathi	I	
		SYBA	Marathi	II	
			Marathi	III	
		TYBA	Marathi	IV	
			Marathi	V	
			Marathi	VI	महानगरी जाणिवेचे साहित्य, ग्रामीण साहित्य.




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CURRICULAR ASPECTS

METRIC NO: 1.3.1

METRIC NAME: Institution Integrates Crosscutting Issues Relevant to Professional Ethics, Gender, Human Values, Environmental Sustainability into the curriculum.

Arts, Commerce and Science College, Kharepatan is affiliated to University of Mumbai follows the curriculum prescribed by the University for Economics course in the college. Institute integrate crosscutting issues relevant to professional ethics, gender, human values, environmental sustainability into the curriculum are as follows.

1.3.1 – INSTITUTION INTEGRATES CROSS-CUTTING ISSUES

SUBJECT: ECONOMICS

Sr. No.	Cross Cutting Issues (CCI)	Class	Paper Name	Course Code	Topics
1	Professional Ethics	F. Y. B.A.	Micro economics – I	UBA1.35	UNIT – I > Introduction to Microeconomics > Role of Price Mechanism in a Market Economy UNIT – III > Market Equilibrium UNIT – IV > Cardinal and Ordinal Approaches
			Micro economics – II	UBA2.35.31	UNIT – I > Production Function UNIT – III > Factor Pricing > Profit: Risk and Uncertainty Theory > Innovation Theory UNIT – IV > Perfect Competition > Monopoly and Monopolistic Competition
		S. Y. B.A.	Macro Economics - III	UAECO301	UNIT – I > National Income > Circular Flow of National Income UNIT – II > Consumption and Investment > Consumption Function > Investment Multiplier UNIT – III > RBI's Approach > Keynesian and Friedman's Approaches



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				UNIT – IV ➤ Commercial Banking ➤ Banking Sector ➤ Central Bank
		Public Finance -IV	UAECO301	UNIT – I ➤ Public Finance UNIT – II ➤ Dalton's and Musgrave Versions of the Law of Maximum Social Advantage ➤ Role of Government in a Modern Economy ➤ Role of Taxation UNIT – III ➤ Wagner's Law of Public Expenditure ➤ Burden UNIT – IV ➤ Appraisal of FRBM Act 2004 ➤ Fourteenth Finance Commission Recommendations
		Macro economics -V	UAECO401	UNIT – I ➤ Stagflation UNIT – II ➤ Monetary Policy: ➤ Role of Fiscal Policy UNIT – III ➤ Simultaneous Equilibrium UNIT – IV ➤ Foreign Exchange Market ➤ Fixed and Flexible Exchange Rate
		Indian Economy VI	UAECO402	UNIT – I ➤ National Income and PCI Since 1990 UNIT – II ➤ Causes of Low Productivity ➤ Micro Finance ➤ NABARD ➤ National Policy for Farmers, 2007 UNIT – III ➤ Industrial Policy of 1991 ➤ FDI ➤ Industrial Sector Development UNIT – IV ➤ Service Sector ➤ Healthcare Sector ➤ Trade and Tourism ➤ Information Technology and IT ➤ Education Sector



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	T. Y. B.A.	Advanced Micro economics VII	ECOAME501	> UNIT – I > Walrasian General Equilibrium Model > Pareto Optimality > Perfect Competition > Arrow's Impossibility Theorem UNIT – II > Monopoly Competition > Price Discrimination > Monopolistic Competition > Chamberlin's Alternative approach UNIT – III > Cournot Model > Characteristics of Oligopoly Market > Rigid Prices > Sweezy Model of Kinked Demand Curve > Cartel > Price Leadership Models > Game Theory > Prisoner's Dilemma > Nash Equilibrium UNIT – IV > Theory of Asymmetric Information > Market Signaling
		Economics of Growth and Development	ECOGAD502	UNIT – II > Rostow's stages of growth > Big Push Theory > Leibenstein's Critical Minimum Effort Thesis > Harrod - Domar Growth Model > Lewis Model > Ragner Nurkse's Theory > Schumpeter's Theory of Development UNIT – III > SHG and Microfinance > Urban Informal Sector UNIT – IV > Schumacher's concepts of intermediate and appropriate technology > Green Technology
		Economics of Agriculture and co- operation	ECOACB503	UNIT – I > agriculture in Economic Development



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				➤ Factors affecting ➤ Physical, Technical and Economic ➤ Causes of Low Productivity in Agriculture UNIT – II ➤ Commercial Banks ➤ Rural Banks ➤ Microfinance ➤ NABARD UNIT – III ➤ Agricultural Marketing ➤ WTO and Indian Agriculture ➤ National Agricultural Market ➤ Farmers Producer Organizations UNIT – IV ➤ Price Policy of CACP Evaluation
		Advanced Macro economics XIII	ECOAME601	UNIT – I ➤ IS-LM Model ➤ Friedman's Expectation Model ➤ Tobin's Modified Philips Curve UNIT – II ➤ Trade Cycles ➤ Hawtrey's, Kaldor, ➤ Paul Samuelson and Hicks – ➤ Control Trade Cycles UNIT – III ➤ Convertibility of Currency UNIT – IV ➤ Bretton Woods System ➤ Euro- Currency Market ➤ Asia Infrastructure Investment Bank ➤ New Development Bank ➤ Asian Development Bank
		International Economics XIV	ECOIE602	UNIT – I ➤ Adam Smith's Theory ➤ Ricardian theor ➤ Heckscher- Ohlin Theory ➤ Leontief's Paradox- Krugman's Model UNIT – II ➤ Balance of Trade ➤ Balance of Payment ➤ Purchasing Power Parity theory ➤ Law of Reciprocal Demand UNIT – III ➤ Foreign Exchange Market ➤ SWAP Market ➤ FDI and MNCs



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			Economics of Agriculture and co-operation XV		UNIT – IV > IMF > World Bank > TRIPS, TRIMS, GATS > ASEAN- European Union (EU) > NAFTA and SAARC.
				ECOACB603	UNIT – I > Principles of Co-operation (Manchester-1995) > Globalization > foreign Countries UNIT – II > Co-Operative Finance (NCDC) > Urban Co-operative banks UNIT – III > Agro-Industries > Food and Fruits Processing Industry UNIT – IV > Co-operative Marketing > NAFED > Co-operative societies > Co-Operatives Audit
2	Gender	T. Y. B.A.	Economics of Growth and Development VIII	ECOGAD502	UNIT – I > H.D.I > G.D.I UNIT – III > Human Capital > Poverty
			Economics of Agriculture and Co-operation-XV	ECOACB603	UNIT – IV > Housing Co-operative societies > Labour
3	Environmental Sustainability	F. Y. B.A.	Micro economics II	UBA2.35.31	UNIT – IV > Firm and Industry under each Market
		S. Y. B.A.	Indian Economy VI		UNIT – I > Agriculture in Economic Development > Agricultural Price Policy > National Policy for Farmers, 2007 > Farming Policy > Food Security in India
		T. Y. B.A.	ECONOMICS OF AGRICULTURE AND CO-OPERATION IX	ECOACB503	UNIT – I > agriculture in Economic Development UNIT – II > Kisan Credit card Yojana UNIT – III > Farmers Producer Organizations



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				UNIT – IV ➤ Food Security in India ➤ Organic Farming
		ECONOMICS OF AGRICULTURE AND CO- OPERATION - XV	ECOACB603	UNIT – I ➤ Agricultural Cooperative Movement in Israel UNIT – II ➤ Farmers service societies UNIT – II ➤ Sugar and Dairy Co- operatives ➤ Food and Fruits Processing Industry ➤ Co-Operative Farming.
4	Human Values	ECONOMICS OF GROWTH AND DEVELOPMENT	ECOGAD502	UNIT – I ➤ Human Development



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University of Mumbai

**Kharepatan Panchkroshi Shikshan Prasarak Mandal, Kharepatan's
Arts, Commerce & Science College, Kharepatan**

Department Name : Geography

Sr. No.	w.e.f.	Class	Sem	Course Name	Paper No.	Course Code	Description of Cross-			
							G	E&S	HV	PE
1	Till 2020	FYBA	I	Geomorphology	I	UAGEO-101		✓		✓
2	Till 2020	FYBA	II	Human Geography	II	UAGEO-201	✓	✓	✓	
3	2020 - 2022	FYBA	I	Human Geography	I	UAGEO-101	✓	✓	✓	
4	2020 - 2022	FYBA	II	Geography of Environment	II	UAGEO-201	✓	✓	✓	
5	Till 2022	SYBA	III	An Introduction to Climatology	II	UAGEO-301		✓		
6	Till 2022	SYBA	III	Physical Geography of India	III	UAGEO-302		✓		
7	Till 2022	SYBA	IV	Introduction to Oceanography	II	UAGEO-402		✓		
8	Till 2022	SYBA	IV	Agriculture Geography of India	III	UAGEO-401		✓	✓	✓
9	2022-2023	SYBA	III	Geography of Maharashtra	II	UAGEO-301	✓	✓	✓	✓
10	2022-2023	SYBA	III	Agricultural Geography	III	UAGEO-302		✓		✓
11	2022-2023	SYBA	IV	Geography of India	II	UAGEO-401	✓	✓		✓
12	2022-2023	SYBA	IV	Geography of Tourism	III	UAGEO-402	✓	✓	✓	✓
13	2018-2019	TYBA	V	Geography of Settlement	IV	UAGEO-501	✓	✓	✓	✓
14	2018-2020	TYBA	V	Population Geography	V	UAGEO-502	✓	✓	✓	
15	2022-2023	TYBA	V	Geography of Maharashtra	V	UAGEO-502	✓	✓	✓	✓
16	2018-2019	TYBA	V	Tools and Techniques in Geography for spatial Analysis	VI	UAGEO-503		✓		✓
17	2018-2019	TYBA	VI	Environmental Geography	IV	UAGEO-601		✓		
18	2018-2019	TYBA	VI	Geography of Tourism and Recreation	V	UAGEO-602	✓	✓	✓	✓
19	2018-2019	TYBA	VI	Tools and Techniques in Geography for spatial Analysis	VI	UAGEO-603		✓		✓

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METRIC NAME: INSTITUTION INTEGRATES COSSCUTTING ISSUES RELEVANT TO PROFESSIONAL ETHICS, GENDER, HUMAN VALUES, ENVIRONMENT AND SUSTAINABILITY INTO THE CURRICULUM.

Arts, Commerce and Science College, Kharepatan is affiliated to University of Mumbai follows the curricula prescribed by the University for History Course in the college. Institute integrates crosscutting issues relevant to professional-ethics; gender, human values, environment and sustainability into the curriculum are as follows...

3.1-INSTITUTION INTEGRATES CROSS-CUTTING ISSUES

Subject – History

Sr. No.	CROSS CUTTING ISSUES (CCI)	CLASS	Paper Name and Number	Course Code	TOPICS
1	PROFESSIONAL ETHICS	FYBA	History I	UBA 2.28	Revenue Settlements, commercialisation of Agriculture , Transport of Communication, Development of Press
		SYBA	History II	UAHIS 301	
			History III	UAHIS 302	Administration of Mahajanpads
		TYBA	History IV	UAHIS 97017	Central and Provincial Administration And Ikta System ,Revenue and Judicial System Administration of Shivaji Maharaj
			History V	UAHIS 97047	Science, Technology and Education and Literature, Art and Architecture Contribution of Reformers in Education
			History VI	UAHIS603B	Fundamentals of Communication, Folk Theatre, puppetry, role of Reporters, sub- Editor , Photography, growth of Cinema, global Indian Cinema



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2	GENDER	FYBA	History I	UBA 2.28	Women, Dalits Peasants and Tribes
		SYBA	History II	UAHIS 301	Gender, Sexuality, Sex, Race and Space from the French and Russian Revolution to the present
			History III	UAHIS 302	Gender equality in Pre Vedic Period and Gender discrimination in Post Vedic Period
		TYBA	History IV	UAHIS 97017	
			History V	UAHIS 97047	Women Empowerment and policy of Reservation Contribution of Reformers towards Emancipation of Women
			History VI	UAHIS603B	Impaction Society-Children, Women, Youth Challenges--
E	HUMAN VALUES	FYBA	History I	UBA 2.28	Truth, non-Violence Peace, honesty, tolerance
		SYBA	History II	UAHIS 301	Emergence of the Principles of Liberty, Equality, Fraternity
			History III	UAHIS 302	Moral order in Vedic Tradition
		TYBA	History IV	97017	Religious life of Delhi Saltanate
			History V	97047	Universal Humanism
			History VI	UAHIS603B	Human Rights
4	ENVIRONMENT AND SUSTAINABILITY	FYBA	History I	UBA 2.28	
		SYBA	History	UAHIS 301	



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		II		
		History III	UAHIS 302	Animal Worship, Tress Worship, Mother Goddess Worship in Sindhu civilization and Regveda period
	TYBA	History IV	UAHIS 97017	
		History V	UAHIS 97047	
		History VI	UAHIS603B	Environment




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Kharepatan Panchkroshi Shikshan Prasarak Mandal, Kharepatan's
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Department of Political Science

Sr. No.	w.e.f.	Class	Semester	Course Name	Paper No.	Course Code	Description of Cross-cutting			
							G	E & S	HV	PE
1	Till 2023	FYBA	I	Indian Political System	I	UAPOL101	✓		✓	✓
2	Till 2023	FYBA	II	Indian Political System	II	UAPOL201	✓		✓	✓
3	Till 2023	SYBA	III	Principles and Concepts of Political Theory	II	UAPOL301	✓	✓	✓	✓
4	Till 2023	SYBA	III	Public Administration	III	UAPOL302	✓		✓	✓
5	Till 2023	SYBA	IV	Political Values of Ideologies	II	UAPOL401	✓		✓	✓
6	Till 2023	SYBA	IV	Indian Administration	III	UAPOL402	✓	✓	✓	✓
7	Till 2023	TYBA	V	World Politics	IV	UAPOL501	✓	✓	✓	✓
8	Till 2023	TYBA	V	Western Political Thought	V	UAPOL502	✓		✓	
9	Till 2023	TYBA	V	Politics of Modern Maharashtra	V	UAPOL503	✓	✓	✓	
10	Till 2023	TYBA	VI	India in World Politics	IV	UAPOL601.	✓	✓	✓	✓
11	Till 2023	TYBA	VI	Indian Political Thought	V	UAPOL602.	✓		✓	
12	Till 2023	TYBA	VI	Determinants of Politics of Maharashtra	VI	UAPOL603.	✓	✓	✓	✓

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CRITERION – I
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METRIC NO: 1.3.1

METRIC NAME: Institution Integrates Crosscutting Issues Relevant to Professional Ethics, Gender, Human Values, Environmental Sustainability into the curriculum.

Arts, Commerce and Science College, Kharepatan is affiliated to University of Mumbai follows the curriculum prescribed by the University for Botany course in the college. Institute integrate crosscutting issues relevant to professional ethics, gender, human values, environmental sustainability into the curriculum are as follows.

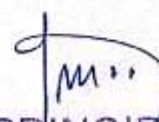
1.3.1 – INSTITUTION INTEGRATES CROSS-CUTTING ISSUES

SUBJECT: BOTANY

Sr. No.	Cross Cutting Issues (CCT)	Class	Paper Name	Course Code	Topics
1	Professional Ethics	F. Y. B.Sc.	Plant Diversity I (paper I)	Practical USBOP2 (Sem. II)	➤ Study of Stages in the life cycle of <i>Nephrolepis</i>: Mounting of ramentum, hydathode, T.S. of rachis. ➤ T.S. of Pinna of <i>Nephrolepis</i> passing through sorus. ➤ <i>Cycas</i>: T.S. of leaflet (<i>Cycas</i> pinna), L.S. of ovule of <i>Cycas</i>.
			Form & Function I (Paper II)	Practical USBOP1 (Sem. I)	➤ Calculation of Mean, Median and Mode. ➤ Calculation of Standard deviation. ➤ Frequency distribution, graphical representation of data- frequency polygon, histogram, pie chart.
				Practical USBOP2 (Sem. II)	➤ Epidermal Outgrowths: with the help of mountings
		S. Y. B.Sc.	Plant Diversity II (Paper I)	Theory USBO301 (Sem. III)	➤ Unit II: Angiosperms ➤ Unit III: Modern Techniques to study Plant Diversity
				Practical USBOP3 (Sem. III)	➤ Techniques to Study plant Diversity
				Theory USBO401 (Sem. IV)	➤ Unit II: Pteridophyta & Paleobotany Pteridophyta ➤ Unit III: Gymnosperms
			Form & Function II (Paper II)	Practical USBOP3 (Sem. III)	➤ Cell Biology ➤ Molecular Biology
				Practical USBOTP4 (Sem. IV)	➤ Anatomy ➤ Plant Physiology and Plant Biochemistry ➤ Ecology and Environmental Botany.



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T. Y. B.Sc.	Current Trends in Plant Sciences I (paper III)	Practical USBOP3 (Sem. III)	➤ Study of Biodiversity (Visit to National Park/ Botanical Garden)
		Theory USBOP403 (Sem. IV)	➤ Unit II: Biotechnology ➤ Unit III: Biostatistics and Bioinformatics.
		Practical USBOP3 (Sem. IV)	➤ Horticulture ➤ Biotechnology ➤ Biostatistics and Bioinformatics
	Plant Diversity III (Paper I)	Theory USBOP501 (Sem. V)	➤ Unit I: Microbiology ➤ Unit II: Algae ➤ Unit III: Fungi
		Practical USBOP5 (Sem. V)	➤ Microbiology ➤ Algae ➤ Fungi
		Theory USBOP601 (Sem. VI)	➤ Unit I: Bryophyta ➤ Unit II: Pteridophyta ➤ Unit IV: Gymnosperms
		Practical USBOP8 (Sem. VI)	➤ Bryophyta ➤ Pteridophyta ➤ Gymnosperms
	Plant Diversity IV (Paper II)	Theory USBOP502 (Sem. V)	➤ Unit II: Angiosperms I
		Practical USBOP5 (Sem. V)	➤ Angiosperms I ➤ Anatomy I ➤ Palynology I
		Theory USBOP602 (Sem. VI)	➤ Unit I: Angiosperms II
		Practical USBOP8 (Sem. VI)	➤ Angiosperms II ➤ Embryology ➤ Plant Geography
	Form & Functions III (Paper III)	Practical USBOP6 (Sem. V)	➤ Cytology & Molecular Biology ➤ Plant Physiology I ➤ Environmental Botany ➤ Micro propagation
		Theory USBOP603 (Sem. VI)	➤ Unit IV: Biostatistics
	Current Trends in Plant Sciences II (Paper IV)	Theory USBOP504 (Sem. V)	➤ Unit II: Plant Biotechnology I ➤ Unit III: Instrumentation
		Practical USBOP6 (Sem. V)	➤ Biotechnology I ➤ Instrumentation ➤ Pharmacognosy
		Theory USBOP604 (Sem. VI)	➤ Unit I: Plant Biotechnology II ➤ Unit IV: Bioinformatics
		Practical USBOP9 (Sem. VI)	➤ Plant Biotechnology II ➤ Bioinformatics
	Horticulture & Gardening I/ II	Practical USACHOP1	➤ Soil pH, Use of soil testing Kit, electrical conductivity, pH of water.



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			(Paper V)	(Sem. V)	- liquid fertilizers. ➤ Method of preparing bonsai, Bottle Garden/ Terrarium, Hanging Baskets, Dish Garden. ➤ Preparation of natural insecticides
				Practical USACHO6P1 (Sem. VI)	➤ Preparation of Garden layout. ➤ Floral Arrangements- Indian, Japanese and western all type. ➤ Preparation of jam, jellies, Squashes/ Syrups, Pickle, sauces ➤ Fruit and vegetable carving & Biojewellery.
2	Gender	F. Y. B.Sc.	Form & Function I (Paper II)	Practical USBOP1 (Sem. I)	➤ Study of Karyotypes: Human: Normal Male and Female.
		S. Y. B.Sc.	Form & Function II (Paper II)	Theory USBO302 (Sem. III)	➤ Unit III: Cytogenetics
3	Environmental Sustainability	F. Y. B.Sc.	Form & Function I (Paper II)	Theory USBO102 (Sem. I)	➤ Unit II: Ecology
				Practical USBOP1 (Sem. I)	➤ Identification of Plants adapted to different environmental conditions
				Theory USBO202 (Sem. II)	➤ Unit II: Physiology
		S. Y. B.Sc.	Plant Diversity II (Paper I)	Theory USBO401 (Sem. IV)	➤ Unit I: Thallophyta: Fungi, Plant Pathology and Lichens Fungi
			Form & Function II (Paper II)	Theory USBO402 (Sem. IV)	➤ Unit II: Plant Physiology and Plant Biochemistry. ➤ Unit III: Ecology and Environmental Botany.
			Current Trends in Plant Sciences I (Paper III)	Theory USBO303 (Sem. III)	➤ Unit II: Forestry and Economic Botany ➤ Unit III: Industry based on plant products
		T. Y. B.Sc.	Plant Diversity III (Paper I)	Theory USBO601 (Sem. VI)	➤ Unit III: Bryophytes and Pteridophytes: Applied Aspects
			Plant Diversity IV (Paper II)	Theory USBO602 (Sem. VI)	➤ Unit IV: Plant Geography
			Form and Functions III (Paper III)	Theory USBO503 (Sem. V)	➤ Unit III: Environmental Botany
				Theory USBO603 (Sem. VI)	➤ Unit II: Plant Physiology II
			Horticulture & Gardening I (Paper V)	Theory USACHO501 (Sem. V)	➤ Unit III: Manures, Fertilizers and Diseases. ➤ Unit IV: Garden operations for horticulture.



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				Practical USACHO5P1 (Sem. V)	➤ Identification of Manures- Identification of plants as green manure- <i>Glyricidia</i>, <i>Crotolaria</i>, <i>Leucaena</i> ➤ Bio fertilizers- Identification VAM, <i>Nostoc</i>, <i>Rhizobium</i>. ➤ Preparation of natural insecticides- Neem arka, Dashparni arka, Seetaphal powder, Tobacco extracts.
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CRITERION – I
CURRICULAR ASPECTS

METRIC NO: 1.3.1

METRIC NAME: INSTITUTION INTEGRATES COSSCUTTING ISSUES RELEVANT TO PROFESSIONAL ETHICS, GENDER, HUMAN VALUES, ENVIRONMENT AND SUSTAINABILITY INTO THE CURRICULUM.

Arts, Commerce and Science College, Kharepatan is affiliated to University of Mumbai follows the curricula prescribed by the University for Chemistry Course in the college, Institute integrates crosscutting issues relevant to professional-ethics; gender, human values, environment and sustainability into the curriculum are as follows...

3.1-INSTITUTION INTEGRATES CROSS-CUTTING ISSUES

Subject – Chemistry

Sr. No.	CROSS CUTTING ISSUES (CCI)	CLASS	Paper Name	Course Code	TOPICS
1	PROFESSIONAL ETHICS	FYBSc	Chemistry	USCH101	1.1 Chemical Thermodynamics Chemical calculations Atomic structure, Periodic Table and periodicity Basics of Organic Chemistry: Classification and Nomenclature of Organic Compounds III Bonding and Structure of organic compounds Fundamentals of organic reaction mechanism
			Chemistry	USCH102	1.1 Chemical Kinetics Liquid state Comparative chemistry of Main Group Elements 2.1 Stereochemistry
			Chemistry	USCH201	1.1 Gaseous state Chemical Equilibrium and 2.1 thermodynamic parameters Concept of Qualitative Analysis Acid Base Theories Chemistry of Aliphatic Hydrocarbons
			Chemistry	USCH202	1.1 Ionic equilibria, Molecular Spectroscopy Solid State Chemical bond and Reactivity 2.1 Oxidation Reduction Stereochemistry Cycloalkanes and Conformational Analysis Aromatic hydrocarbons
		SYBSc	Chemistry	USCH301	1.1 Chemical Thermodynamics Electrochemistry Chemical Bonding Reactions and reactivity of halogenated hydrocarbons, alcohols, phenols and epoxides

		Chemistry	USCH302	2.1 Chemical Kinetics-II, Solutions Selected topics on p block elements Carbonyl Compounds
		Chemistry	USCH303	1.1 Intorduction to Analytical Chemistry and Statistical Treatment of analytical data-I Classical Methods of Analysis. 2.1 Instrumental Methods-I
		Chemistry	USCH401	1.1 Electrochemistry-II, Phase Equilibria Comparative 2.1 Chemistry of the transition metals & Coordination Chemistry Carboxylic acids and their derivatives, Sulphonic acids
		Chemistry	USCH402	2.1 Solid state, Catalysis Ions in aqueous medium & Uses and Environmental Chemistry of volatile Oxides and oxo-acid
		Chemistry	USCH403	1.1 Separation Techniques in Analytical Chemistry 2.1 Instrumental Methods-II Statistical Treatment of 3.1 analytical data --II
	TYBSc	Chemistry	USCH501	1.1 Phase Rule 2.1 Acid-Base catalysis 3.1 Electrochemistry – Electrochemical cell 4.1 Crystalline State
		Chemistry	USCH502	2.1 Superconductivity 3.1 Actinides Series
		Chemistry	USCH503	1.1 Stereochemistry 2.1 Carbohydrates 3.1 IUPAC Nomenclature 4.1 Organic Synthesis
		Chemistry	USCH504	2.1 Titrimetric analysis-I and 3.1 UVVisible spectroscopy
		Chemistry	USCH601	2.1 Molecular Spectroscopy 3.1 Basics of Quantum Chemistry 4.1 Renewable Energy Sources
		Chemistry	USCH602	1.1 Coordination Chemistry Properties of Coordination compounds 2.1 Organometallic Chemistry Some Selected Topics
		Chemistry	USCH603	1.1 Spectroscopy 2.1 Polymers 3.2 Natural Products
		Chemistry	USCH04	1.1 Natural Products electroanalytical methods. 3.1 Treatment of analytical data-II and Titrimetric analysis



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CRITERION – I
CURRICULAR ASPECTS
METRIC NO: 1.3.1

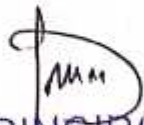
METRIC NAME: Institution Integrates Crosscutting Issues Relevant to Professional Ethics, Gender, Human Values, Environmental Sustainability into the curriculum.

Arts, Commerce and Science College, Kharepatan is affiliated to University of Mumbai follows the curriculum prescribed by the University for Botany course in the college. Institute integrate crosscutting issues relevant to professional ethics, gender, human values, environmental sustainability into the curriculum are as follows.

1.3.1 – INSTITUTION INTEGRATES CROSS-CUTTING ISSUES

SUBJECT: Zoology

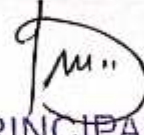
Class – F.Y.B.Sc.				
Semester- I				
Subject- Zoology				
Cross Cutting Issue	Total Topics/Units	No. of Topic with Issue	Name of Topic	Name of Subtopic
1. Professional Ethics	06			
2. Gender				
3. Human Values		01	Footsteps to Follow	
4. Environment & Sustainability		01	Biodiversity and its conservation	
5. Any other if any				


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Class – F.Y.B.Sc.				
Semester- II				
Subject- Zoology				
Cross Cutting Issue	Total Topics/Units	No. of Topic with Issue	Name of Topic	Name of Subtopic
1. Professional Ethics	06			
2. Gender		01	Population Ecology	
3. Human Values				
4. Environment & Sustainability		02	1. Endangered & Critically Endangered Animal Species from National Parks & Wildlife Sanctuaries 2. Ecosystem	
5. Any other if any Health & Hygiene		03	1. Nutrition & Health 2. Public Health & Hygiene 3. Common Human Diseases	


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Class – S.Y.B.Sc.				
Semester- III				
Subject- Zoology				
Cross Cutting Issue	Total Topics/Units	No. of Topic with Issue	Name of Topic	Name of Subtopic
1. Professional Ethics	9			
2. Gender				
3. Human Values				
4. Environment & Sustainability		1	Paper 3 Unit 3 Unit 3 Economic Zoology	3.1 Apiculture 3.2 Vermiculture 3.3 Dairy science
5. Any other if any				

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Class – S.Y.B.Sc.

Semester- IV

Subject- Zoology

Cross Cutting Issue	Total Topics/Units	No. of Topic with Issue	Name of Topic	Name of Subtopic
1. Professional Ethics	9	1	Paper 1 Unit: 3 Scientific Attitude Methodology, Scientific Writing and Ethics in Scientific Research	3.4 Ethics 3.5 Plagiarism
2. Gender				
3. Human Values				
4. Environment & Sustainability		2	Paper 3 UNIT3: Pollution and its effect on organisms	Air Pollution Water Pollution Soil Pollution Noise Pollution Pollution by radioactive substances Pollution by solid wastes Pollution – Climate Change and Global Warming
			UNIT 2: Sericulture	
5. Any other if any				




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CRITERION – I
CURRICULAR ASPECTS
METRIC NO: 1.3.1

METRIC NAME: INSTITUTION INTEGRATES COSSCUTTING ISSUES RELEVANT TO PROFESSIONAL ETHICS, GENDER, HUMAN VALUES, ENVIRONMENT AND SUSTAINABILITY INTO THE CURRICULUM.

Arts, Commerce and Science College, Kharepatan is affiliated to University of Mumbai follows the curricula prescribed by the University for Commerce Course in the college. Institute integrates crosscutting issues relevant to professional-ethics; gender, human values, environment and sustainability into the curriculum are as follows...

3.1-INSTITUTION INTEGRATES CROSS-CUTTING ISSUES

Department – Department of Commerce

Sr. No.	CROSS CUTTING ISSUES (CCI)	CLASS	Paper Name	Paper Code	TOPICS
1	PROFESSIONAL ETHICS	F.Y.B.COM	Accountancy & Financial Management	UBCOMFSI.1	Unit-1
			Commerce – Business Development	UBCOMFSI.2	Unit-1,2
			Business Communication	UBCOMFSI.4	Unit-3,4
			Business Communication	UBCOMFSII.4	Unit-2,3,4
			Environmental Studies	UBCOMFSII.5	Unit-1,2,3,4
			Foundation Course	UBCOMFSII.6.1	Unit-1,2,3,4,5
		S.Y.B.COM	Commerce Paper	UBCOMSSIII.3	Unit-2
			Business Law	UBCOMSSIII.7	Unit-1,2,3,4,5
			Foundation Course	UBCOMSSIII.6.1	Unit-1,2,3,4
			Advertising	UBCOMSSIII.5.1	Unit-3
			Accounting and Financial Management	UBCOMSSIV.1	Unit-1,2,3,4
			Commerce Paper	UBCOMSSIV.3	Unit-2

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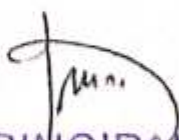
		T.Y.B.COM	Business Law	UBCOMSSIV.7	Unit-1,2,3,4
			Advertising	UBCOMSSIV.5.1	Unit-1
			Foundation Course	UBCOMSSIV.6.1	Unit-4
			Financial Accounting and Auditing: Financial Accounting	UBCOMSSIV.21	Unit-1,2,3
			Marketing and Human Resource Management	UBCOMTSV.14	Unit-2,3,4
			Financial Accounting and Auditing: Financial Accounting	UBCOMTSV.1	Unit-4,5
			Financial Accounting and Auditing: Financial Accounting	UBCOMTSIV.6	Unit-1
			Financial Accounting and Auditing: Costing Accounting	UBCOMTSVI.7	Unit-5
2	GENDER	F.Y.B.COM	Business Communication	UBCOMFSI.4	Unit-2
			Foundation Course	UBCOMFSI.6.1	Unit-1,2,3,4,5
		S.Y.B.COM	Foundation Course	UBCOMSSIII.6.1	Unit-1
			Commerce Paper	UBCOMTSVI.14	Unit-2
3	HUMAN VALUES	F.Y.B.COM	Business Communication	UBCOMFSI.4	Unit-4
			Foundation Course	UBCOMFSI.6.1	Unit-3,4
			Business Communication	UBCOMFSII.4	Unit-2
			Foundation Course	UBCOMFSII.6.1	Unit-2
		S.Y.B.COM	Foundation Course	UBCOMSSIII.6.1	Unit-1,2,3,4

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4	ENVIRONMENT AND SUSTAINABILITY	T.Y.B.COM	Advertising	UBCOMSSIII.5.1	Unit-3
			Foundation Course	UBCOMSSIV.6.1	Unit-1
			Financial Accounting and Auditing; Costing Accounting	UBCOMTV.7	Unit-3
			Business Economics	UBCOMTSV.13	
		F.Y.B.COM	Environmental Studies	UBCOMFSI.5	Unit-1,2,3,4
			Environmental Studies	UBCOMFSII.5	Unit-1,2,3,4
			Foundation Course	UBCOMFSII.6.1	Unit-3
		S.Y.B.COM	Business Economics	UBCOMSSIII.4	Unit-1
			Foundation Course	UBCOMSSIII.6.1	Unit-2,3
			Foundation Course	UBCOMSSIV.6.1	Unit-1,2
		T.Y.B.COM	Marketing and Human Resource Management	UBCOMTSV.14	Unit-4


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