



Rayat Shikshn Santha's
Annasaheb Awate Arts, Commerce & Hutatma
Babu Genu Science College, Manchar.

Department of Geography
"Cross Cutting Issues"

2023-24



Rayat Shikshan Sanstha's
Annasaheb Awate Arts, Commerce & Hutatma Babu Genu Science College,
Manchar, Pune
Department of Geography 2023-24
Cross Cutting Issues

Course wise cross cutting issues on syllabus

1. Name of The Teacher:- Smt. Ugale S.D
2. Subject:- Geography, FYBA
3. Course/Paper Name:- Physical Geography

Sr. No.	Name of the Topic	Course Syllabus	Relevant Cross Cutting Issues
1	Topic 1 Introduction to Physical Geography	1) Nature and scope of Physical Geography 2) Introduction about the Earth system	Environment Awareness
2	Topic 2 Lithosphere	1) Interior of the earth 2)Wegner's Continental Drift Theory 3) Davis Concept of Cycle of erosion	Environment Awareness
3	Topic 3 Atmosphere	1) Structure of the atmosphere 2)Heat Balance 3)Pressure belts and wind system 4) Forms and types of Precipitation	Environment Awareness
4	Topic 4 Hydrosphere	1) Hydrological cycle	Environment Awareness

1. Name of The Teacher:- Smt. Ugale S.D
2. Subject:- Geography, FYBA
3. Course/Paper Name:- Human Geography

Sr. No.	Name of the Topic	Course Syllabus	Relevant Cross Cutting Issues
1	Topic 1 Introduction to Human Geography	Nature and scope of Human Geography	Human Values
2	Topic 2 Population	1)Factors affecting on distribution of population 2) Theory of demographic transition 3) Composition of Indian population (Gender and literacy)	Human Values



1. Name of The Teacher:- Mr. Mndhe V.R.
2. Subject:- Geography, FYBCom. Semester-I & II
3. Course/Paper Name:- Commercial Geography- I & II

Sr. No.	Name of the Topic	Course Syllabus	Relevant Cross Cutting Issues
1	Topic 1 Introduction to Commercial Geography	a. Meaning and Definition of Commercial Geography b. Nature , Scope and Development of Commercial Geography c. Importance of Applied Commercial Geography d. Approaches to the study of Commercial Geography	Professional Ethics
2	Topic 2 Economic Activities in the Geographical Environment	a. Basic Economic Activities of Man i. Primary, ii Secondary, iii. Tertiary, iv Quaternary, v. Quinary b. Factors affecting Economic activities of Man i. Physical or Natural ii. Cultural or Human	Professional Ethics
3	Topic 3 Economic Resources	a. Meaning and Types of Resources b. Classification of Resources i. Natural – Renewable, Non- Renewable, etc. ii. Man Made Resources – Quantitative and Qualitative. c. Major Resources i. Water, ii. Soil, iii. Forests, iv. Energy (w.r.t. related economic and commercial activities) d. Crises and Conservation of Resources	Environment Awareness
4	Topic 4 Human Resources	a. Meaning, Characteristics, Advantages and Disadvantages of i. Over population ii. Under population iii. Optimum population. b. Contemporary Issues of Population and Development i. Dependency Ratio ii. Human Development Index (HDI) iii. Migration and its effects c. Major Population Characteristics of India	Professional Ethics



1. Name of The Teacher:- Smt. Ugale S.D.
 2. Subject:- Geography , SYBA
 3. Course/Paper Name:- Geography of Maharashtra I & II

Sr. No.	Name of the Topic	Course Syllabus	Relevant Cross Cutting Issues
1	Topic 3 Climate	3. Draught prone areas- Problems and Management 4. Flood areas - Problems and Management	Environment Issue
2	Topic 4 Resources	1. Water :Problems in Utilization and conservation 2. Forest : Types and Conservation 3. Mineral; Iron ore, Manganese and Bauxite 4. Power : Hydro, Thermal, Atomic	Environment Issue
3	Topic 2 Population and Settlement	1. Population distribution of Maharashtra 2. Population composition - Sex Ratio, Literacy, Occupational structure, Migration 3. Rural and Urban Settlements 4. Potential of Major Cities in Maharashtra – Mumbai, Pune, Nagpur	Human Values
4	Topic 3 Rural Development of Maharashtra	1. Concept of Rural Development 2. Parameters of Rural Development 3. Schemes For Rural Development 4. Case Studies – Hivare Bazar and Ralegan Siddhi (Ahmednagar), Patoda (Aurangabad)	Social Issue

1. Name of The Teacher:- Dr. Kathe M.H.
 2. Subject:- Geography , SYBA
 3. Course/Paper Name:- Environmental Geography I & II



Sr. No.	Name of the Topic	Course Syllabus	Relevant Cross Cutting Issues
1	Topic 1 Environmental Disaster	1. Meaning and concepts of environmental disaster 2. Classification of Disaster 3. Natural Disaster a) Earthquake b) Flood 4. Biological Disaster a) Swine flu b) Novel Corona (COVID-19)	Environment and Sustainability
2	Topic 2 Environmental Problems	1. Global Warming and climate change 2. Ozone Depletion 3. Acid rain 4. Over use of chemical fertilizers, pesticides and insecticides	Environment and Sustainability
3	Topic 3	1. Need of Planning and Management	Environment and Sustainability

	Environmental Planning and Management	2. Micro, macro and meso level Planning and Management with reference to India 3. Environmental impact assessment	
4	Topic 4 Environmental Policies	1. Introduction of environmental policies 2. Environmental education in India 3. Kyoto Protocol	Environment and Sustainability

1. Name of The Teacher:- Mr. Mindhe V.R.
2. Subject:- Geography , SYBA
3. Course/Paper Name:- Practical Geography I & II

Sr. No.	Name of the Topic	Course Syllabus	Relevant Cross Cutting Issues
1	Topic 2 Cartographic techniques	1. Techniques of representation of data (Use and limitations) a. Simple line graph b. Simple bar Graph c. Pie diagram d. Choropleth Map e. Isopleth Method (Isoheight or Isothermal) f. Flow diagram	Skill Enrichment
2	Topic 3 Surveying	1. Types of North Direction 2. Types of Survey 3. Measurement of land	Skill Enrichment

1. Name of The Teacher:- Mr. Mindhe V.R.
2. Subject:- Geography , TYBA
3. Course/Paper Name:- Geography of India I & II



Sr. No.	Name of the Topic	Course Syllabus	Relevant Cross Cutting Issues
1	Topic 2 Physiography	a) The Northern Mountains b) The North Indian Plains c) The Peninsular Plateau d) The Coastal lowlands and Islands	Environment and Sustainability
2	Topic 3 Drainage	a) Himalayan Rivers: The Indus , The Ganga, The Brahmaputra b) East Flowing Rivers- Mahanadi, Godavari, Krishna, Kaveri c) Major West Flowing Rivers- Narmada, Tapi, Mahi d) Minor West Flowing Rivers originating in Western Ghat	Environment and Sustainability
3	Topic 4 Climate Soils and Natural Vegetation	a) Various Seasons and Weather Associated with them b) Types of Soils and its Distribution c) Soil Degradation and Conservation	Environment and Sustainability

		d) Types of Natural Vegetation and its Distribution	
4.	Topic 1 Cultural Setting	a) Religions of India b) Languages of India c) Major tribes, tribal areas and their problems	Human Values Social Issue

1. Name of The Teacher:- Dr. kathe M.H.

2. Subject:- Geography, TYBA

3. Course/Paper Name :- Disaster Management I & II

Sr. No.	Name of the Topic	Course Syllabus	Relevant Cross Cutting Issues
1	Topic 2 Introduction to hazards, disasters	a) Definition Hazards And Disasters b) Meaning and definition of Disasters c) Geographical conditions and disasters	Environment and Sustainability
2	Topic 3 Disaster management and measures	a) Structure of disaster management Preparedness, Response, Recovery, Mitigation, Rehabilitation b) Standard operating procedure of management on government level c) Role of media c) Travel and Tourism Agencies	Environment and Sustainability
3	Sem VI- Topic No. 3 Global issues and movements	a) Global warming b) Ozone depletion c) Acid rain	Environment and Sustainability

1. Name of The Teacher:- Smt. Ugale S.D

2. Subject:- Geography , TYBA

3. Course/Paper Name:- Technique in Spatial Analysis

Sr. No.	Name of the Topic	Course Syllabus	Relevant Cross Cutting Issues
1	Topic 1 Relief Representation	1. Methods of relief representation a. Qualitative Methods b. Quantitative Methods	Skill Enrichment (Map Making)
2	Topic 2 Interpretation of S.O.I. toposheets and Data Generation	Reading of S.O.I. Toposheets from Plain, Plateau and Mountains	Skill Enrichment (Map Making)



Ugale S.D.
Head
Department of Geography
Annasaheb Awate College
Manchar, Tal. Ambegaon, Dist. Pune



Rayat Shikshn Santha's
**Annasaheb Awate Arts, Commerce & Hutatma
Babu Genu Science College, Manchar.**

Department of History
"Cross Cutting Issues"

2023-24



Rayat Shikshan Sanstha's
Annasaheb Awate College, Manchar.
Department of History
(2023-24)

Cross Cutting Issues In Curriculum of History (B.A.)

Sr. No.	Class	Paper Name	Chapter No	Cross-Cutting Issues
1	FYBA	Sem-I Early India: From Prehistory to the Age of the Mauryas	Early India: Sources and Prehistory	Human value
		Sem II Early India: Post Mauryan Age to the Rashtrakutas	The Central Asian Contacts and Age of the Shung-Satvahanas	
2	SYBA	Sem.III History of the Marathas(1630-1707)	Sources and Rise of the Maratha Power	Human Rights
		Sem. IV History of the Marathas(1707-1818)	Consolidation and Expansion of the Maratha Power	National Integration
3	TYBA	History Of The World In 20th Century (1914-1992)	Rise Of Dictatorship	Human Rights





Rayat Shikshn Santha's
**Annasaheb Awate Arts, Commerce & Hutatma
Babu Genu Science College, Manchar.**

Department of Zoology
"Cross Cutting Issues"

2023-24



Rayat Shikshan Sanstha's
Annasaheb Awate Arts, Commerce & Hutatma Babu Genu Science College
Manchar, Tal. Ambegaon, Dist. Pune

Criterion I: Curricular Aspect

Key Indicator 1.3. Curriculum Enrichment

Metrice 1.3.1 (QIM) Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability into Curriculum

A.Y.: 2023-24

Sl. No.	Name of Department and Course	Course Syllabus	Relevant Crosscutting Issues
1.	TYBSc Zoology	<p>ZY-334 – Environmental Biology and Toxicology</p> <p>1 Environmental Biology</p> <p>Introduction- Definition, basic concepts and scope</p> <p>2 The Ecosystem</p> <p>2.1 Definition, abiotic and biotic components and their interrelationship</p> <p>2.2 Energy flow in ecosystem and flow models</p> <p>2.3 Major Ecosystems: (a) natural ecosystem: e.g. fresh water, forest (b) artificial ecosystem: e.g. cropland</p> <p>2.4 Food chain in ecosystem and food web</p> <p>2.5 Ecological pyramids</p> <p>3 Environmental Pollution:</p> <p>3.1 Definition and types of pollution</p> <p>3.2 Pollutants, types of pollutants (metallic, gaseous, acids, alkalis, biocides)</p> <p>3.3 Air pollution: Definition, sources of air pollution and their effects</p> <p>3.4 Air pollution and its relevance with the following</p> <p>3.4.1 Acid rain</p>	Environment & Sustainability



	<p>3.4.2 Greenhouse effect</p> <p>3.4.3 Ozone layer depletion</p> <p>3.5 Water pollution: definition, sources of water pollution and their effects on ecosystem. Community waste with reference to following:</p> <p>I. Sewage</p> <p>II. Industrial wastes</p> <p>III. Agricultural wastes</p> <p>3.6 Land / Soil pollution: definition, sources of land / soil pollution and their effects</p> <p>3.7 Noise pollution: definition, sources of noise pollution and their effects and control Measures</p> <p>4 Environment and Development</p> <p>4.1 Bioindicators and environmental monitoring</p> <p>4.2 Environmental challenges in India: land degradation, population explosion, urbanization and industrialization</p> <p>5 Natural Resources and Conservation:</p> <p>5.1 Renewable and non-renewable resources</p> <p>5.2 Soil conservation</p> <p>5.3 Forest conservation</p> <p>5.4 Energy sources: conventional and non-conventional</p> <p>6 Wildlife Management:</p> <p>6.1 Definition, causes of wildlife depletion</p> <p>6.2 Importance of wildlife management in India</p> <p>6.3 Endangered species, vulnerable species, rare species and threatened species</p> <p>6.4 Wild life conservation</p> <p>7 Toxicants and Toxicity:</p> <p>7.1 Definition of toxicology, scope and branches</p> <p>7.2 Types of toxicants</p> <p>7.3 Factors influencing toxicity (pH, temperature, reproductive status, age, physiological state)</p> <p>7.4 Dose, LD50, LC50</p>	
--	--	--



2	SYBSc Zoology	<p>8 Toxicants of Public Health and Hazards: Pesticides, heavy metals, fertilizers, food additives and radioactive substances</p> <p>EVS 231- Environment Awareness</p> <p>Unit 1 : Introduction to environmental studies</p> <ul style="list-style-type: none"> • Multidisciplinary nature of environmental studies • Scope and importance; Concept of sustainability and sustainable development. <p>Unit 2 : Ecosystems</p> <ul style="list-style-type: none"> • What is an ecosystem? Structure and function of ecosystem; Energy flow in an ecosystem: food chains, food webs and ecological succession. Case studies of the following ecosystems: a) Forest ecosystem b) Grassland ecosystem c) Desert ecosystem d) Aquatic ecosystems (ponds, streams, lakes, rivers, oceans, estuaries) <p>Unit 3 : Natural Resources : Renewable and Non-renewable Resources</p> <ul style="list-style-type: none"> • Land resources and land use change; Land degradation, soil erosion and desertification. • Deforestation: Causes and impacts due to mining, dam building on environment, forests, biodiversity and tribal populations. • Water : Use and over-exploitation of surface and ground water, floods, droughts conflicts over water (international & inter-state). • Energy resources : Renewable and non renewable energy sources, use of alternate energy sources, growing energy needs, case studies. <p>Unit 4 : Biodiversity and Conservation</p> <ul style="list-style-type: none"> • Levels of biological diversity : genetic, species and ecosystem diversity; Biogeographic zones of India; Biodiversity patterns and global biodiversity hot spots • India as a mega-biodiversity nation; Endangered and endemic species of India • Threats to biodiversity : Habitat loss, poaching of wildlife, man-wildlife conflicts, biological invasions; Conservation of biodiversity : In-situ and Ex-situ conservation of biodiversity. • Ecosystem and biodiversity services : Ecological, economic, social, ethical, aesthetic and Informational value. 	Environment & Sustainability
---	------------------	--	------------------------------------



Head

Department Of Zoology
A.A.College, Manchar



Rayat Shikshn Santha's

**Annasaheb Awate Arts, Commerce & Hutatma
Babu Genu Science College, Manchar.**

Department of Electronic Science

"Cross Cutting Issues"

2023-24



Rayat Shikshan Sanstha's

Annasaheb Awate Arts, Commerce and Hutatma Babu Genu Science College
Manchar, Tal. Ambegaon, Dist. Pune 410503

Department of **Electronic Science**

CROSS-CUTTING COURSES IN THE CURRICULUM

A.Y 2023-24

Programme	Paper Title and Code	Description
TYBSc Electronic Science	ELSEC352: Internet of Things & Applications	Create awareness on IoTs, which is any network of devices connected to the internet for the purpose of exchanging information with one another, collecting data or controlling processes
		IoT Security: The objective of the course is to illustrate and familiarize the basic concepts in Data and Information safety.


Ms. J B Khilari
Course Co-ordinator




Ms. A M Dange
Head of the Department
Dept. of Electronic Science
A. A. College, Manchar


AAC_DOES_Cross Cutting Issues_2023-24

Rayat Shikshan Sanstha's
Annasaheb Awate Arts, Commerce & Hutatma Babu Genu Science College
Manchar, Tal-Ambegaon, Dist.-Pune

DEPARTMENT OF CHEMISTRY
List of Cross Cutting Issues (2023-24)

Sr. No.	Course Syllabus	Relevant Cross Cutting Issues
1	Cyber Security Module 1: Pre-requisites in Information and Network Security Module 2: Security Management Module 3: Information and Network Security Module 4: System and Application Security	Professional Ethics
2	Introduction to Human Rights and Duties Module 1: Basic Concept Module 2: Perspectives of Rights and Duties Module 3: Introduction to Terminology of Various Legal Instruments Module 4: United Nations & Human Rights	Human Rights




for **Head**
Department of Chemistry
A. A. College, Manchar
Tal. Ambegaon Dist. Pune

Rayat shikshan sanstha's

ANNASAHEB AWATE COLLEGE, MANCHAR.

Department Of Commerce

CROSS CUTTING ISSUES (2023-24)

Name of the Teacher : prof. Dhobale A. V.
Subject : Variance Analysis & Interpretation
Course/Paper Name : VA 560 MJ
Class : M. Com I (Sem II)

Sr.No	Course Syllabus	Relevant cross cutting issues
01.	Variance Analysis Material & Labour Variance Sales Variance Profit Variance Overhead Variance	Business Ethics Human Values
02	Other aspects Variance Analysis Managerial Uses of Variance Analysis Techniques of Investigation of Variance	Professional Ethics Business Ethics



Prof. Dhobale A.V.

Head

Department of Commerce
A.A.College, Manchar,
Tal.Ambegaon, Dist.Pune

ANNASAHEB AWATE COLLEGE, MANCHAR.

Department Of Commerce

CROSS CUTTING ISSUES (2023-24)

Name of the Teacher : prof. Dhobale A. V.

Subject : Cost for Decision Making & Activity Based Costing

Course/Paper Name : CD 512 MJ

Class : M. Com I (Sem II)

Sr.No	Course Syllabus	Relevant cross cutting issues
01.	Cost for Decision Making Make or Buy Decision Decision relating to accepting & rejecting order Decision relating to adding or deleting product	Business Ethics Human Values
02	Activity Based Costing Meaning, Defination , Advantages, Dis advantages & Steps in Activity Based Costing	Professional Ethics



7/05/21
D. S. Nikam V.S.

Head

Department of Commerce
A.A.College, Manchar,
Tal.Ambegaon, Dist.Pune

Rayat Shikshan Sanstha's
Annasaheb Awate College, Manchar, Dist- Pune.

Department of Commerce

Course wise Cross Cutting Issues - 2023-24



Name of the Teacher- Mrs Bhalekar M.T.

Date: / /

Subject: Cost Techniques & Responsibility Accounting (Course Code: 60111)

Unit. No.	Course Syllabus	Relevant Cross Cutting Issues
01	Budgetary Control: 1. Concept of Budget, Budgeting and Budgetary Control, Objectives of Budgetary Control, Steps involved in the preparation of Budgets,	Institution integrates Crosscutting issues relevant to Professional Ethics
02	Standard Costing: 1. Meaning of the term Standard Costing, Need and Importance of Standard Costing, Steps involved in Standard Costing, Meaning and Classification of 'Variances', Reasons for different Types of Variances.	Environment & Sustainability in to the Curriculum
03	Uniform Costing, Inter-firm Comparison and Productivity: 1. Meaning and Objectives of Uniform Costing, Important Factors Required for consideration under Uniform Costing, Advantages and Disadvantages of Uniform Costing	Institution integrates Crosscutting issues relevant to Professional Ethics
04	Responsibility Accounting: 1. Definition and Meaning of the Term Responsibility Accounting, Principles of Responsibility Accounting, Process of Implementation of Responsibility Accounting,	Environment & Sustainability in to the Curriculum

Bhalekar M.T.



Head
Department of Commerce
A.A.College, Manchar
Tal.Ambegaon, Dist.Pune

Annasaheb Awate College, Manchar, Dist-Pune.

Department of Commerce & Management

Course wise Cross Cutting Issues-2023-24



Name of the Teacher- Miss. Khalkar V.R.

Date:-

Subject: Advanced Cost Accounting (Course Code: 60109)

Unit No.	Course Syllabus	Relevant Cross Cutting Issues
01	Basic Cost Concept & Material Cost Control 1. Concept of Material Cost & Material Control, Objective of Material Management, Material Purchasing Procedure, Inventory or Material Control	Institution integrates Crosscutting issues relevant to Professional Ethics
02	Employee Cost 1. Meaning Definition & Significance of Labour cost. Methods of Remuneration & their advantages & Disadvantages. Treatment of Overtime, Idle time & Special Labour Costs like Fringe benefits, Bonus & Employee Welfare cost	Environment & Sustainability in to the Curriculum
03	Overhead Accounting 1. Meaning of Overhead & Classification of overheads. Absorption of Administration overheads & Selling & Distribution. Allocation & Apportionment of Overhead & Rapport Cost Accounting Standard-m Production & operation Overheads.	Institution integrates Crosscutting issues relevant to Professional Ethics
04	Non- Integrated Accounting System & Reconciliation 1. Concept of Non- Integral Accounting System, Characterizes of the Non- Integrated Accounting System. Difference between Non- Integrated Accounting system	Environment & Sustainability in to the Curriculum

Khalkar V.R.



Head
Department of Commerce
A.A.College, Manchar,
Tal. Ambegaon, Dist. Pune