



TuljaramChaturchand College, Baramati

Autonomous College

three years degree programme in Geography

(Faculty of Science and Technology)

Revised Syllabus for

S.Y.B.A. Geography

For TuljaramChaturchand College, Baramati

Choice Based Credit System Syllabus

To be implemented from Academic Year 2019-2020

Choice Based Credit System Syllabus

To be implemented from Academic Year 2020-2021

S. Y. B. A. GEOGRAPHY

Semester	Paper Code	Paper	Subject
III	GEO:2301	G2	Environmental Geography I
	GEO:2302	S1	Geography of Maharashtra - I
	GEO:2303	S2	Practical Geography – I (Scale and Map Projections)
IV	GEO:2401	G2	Environmental Geography II
	GEO:2402	S1	Geography of Maharashtra – II
	GEO:2403	S2	Practical Geography – II (Cartographic Techniques, Surveying and Excursion / Village / Project Report)

S.Y.B.A. Geography (G2) Syllabus for Semester III
Name of Subject: Environment Geography- I,
Subject Code: GEO:2301

Objectives:

1. To create the awareness about dynamic environment among the student.
2. To acquaint the students with fundamental concepts of environment geography for development in different areas.
3. The students should be able to integrate various factors of Environment and dynamic aspect of Environmental geography.
4. To make aware the students about the problems of environment, their utilization and conservation in the view of sustainable development

❖ Topics and Learning points:**Lecture****Unit – 1: Introduction to Environmental Geography****12**

- 1.1 Definition, Nature and scope of Environmental Geography.
- 1.2 Types of Environment
- 1.3 Importance of Environmental Geography
- 1.4 Approaches to study of environmental Geography

Unit – 2: Ecosystem**12**

- 2.1 Meaning, concept and definition of ecosystem.
- 2.2 Structure (Biotic and Abiotic factors) and food chain, Tropic Level, food web, energy flow
- 2.3 Types of ecosystem
 - a) Equatorial Forest
 - b) Pond Ecosystem

Unit – 3: Biodiversity and its conservation**12**

- 3.1 Concept of biodiversity
- 3.2 Economic value and potential of biodiversity
- 3.3 Loss of biodiversity and hotspots in India
- 3.4 Conservation of biodiversity

Unit – 4: Environmental Pollution**12**

- 4.1 Concept of Pollution
- 4.2 Air pollution-Causes, effects and control measures
- 4.3 Water pollution-Causes, effects and control measures
- 4.4 Soil pollution-Causes, effects and control measures

Reference Book:

1. Miller G.T., 2004, Environmental Science Working with the Earth, Thomson Books Cole, Singapore
2. Saxena H.M., 2017, Environmental Geography(Ed III), RawatPublicastions, Jaipur
3. Odum E.P. et al.2005, Fundamentals of Ecology, Ceneage Learning, India
4. Sharma P.D.2015, Ecology and Environment, RastogiPublications, Meerut
5. Kormondy, Edward J, 2012, Concept of Ecology, PHI Learning Pvt.Ltd, NewDelhi
6. Singh R.B.(Eds) 2009, Biogeography and Biodiversity, Rawat Publications, Jaipur
7. Singh S, Prayag, 1997, Environment Geography, PustakBhawan, Allahabad
8. Chandana R.C.2002, Environmental Geography, Kalyani Publication, Ludhiana
9. Goudie A, 2001, The Nature of The Environment, Blackwell, Oxford
10. Gholap T. N., 2000, Environment Science, Nishikant Publications, Pune.(Marathi)
11. Choudhar A.H., &et. al., 2014, Disaster Management, Atharva Publication, Pune. (Marathi)
12. Musmade A. H., More J. C. 2014, Geography of Disaster Management, Diamond Publication, Pune.(Marathi)
13. Saptarshi P. G., More J. C., Ugale V. R., 2009, Geography and Natural Hazads, Diamond Publishing, Pune.(Marathi)

S.Y.B.A. Geography (S1), Syllabus for Semester III

Name of Subject: Geography of Maharashtra-I

Subject Code: GEO: 2302

Objectives:

1. To acquaint students with Geography of our State.
2. To make students aware of the magnitude of problems and prospects in Maharashtra.
3. To help students understand the inter relationship between the subject and the society.
4. To help students understand the recent trends in regional studies

❖ **Topics and Learning points:**

	12	Lecture
Unit – 1: Administrative Set up of Maharashtra	12	1.1
Historical and Political Background of the state		
1.2 Geographical location of State		
1.3 Adjoining States		
1.4 Administrative Divisions		
Unit – 2: Physical settings	12	
2.1 Geological structure of Maharashtra		
2.2 Physical Structure (Mountain, plateau, Plains)		
2.3 Drainage Pattern (East and West flowing rivers)		
2.4 Major Soil types and Distribution		
Unit – 3: Climate of Maharashtra	12	3.1 Climatic Regions
3.2 Distribution of Rainfall		
3.3 Draught prone areas- Problems and Management		
3.4 Flood areas - Problems and Management		
Unit – 4: Resources	12	4.1
Water: Problems in Utilization and conservation		
4.2 Forest: Types and Conservation		
4.3 Mineral; Iron ore, Manganese and Bauxite		
4.4 Power: Hydro, Thermal, Atomic		

Reference Book:

1. Dikshit K.R ., Maharashtra in Maps,
2. Deshpande C. D. , Maharashtra
3. Sadhu Arun, Maharashtra, National Book Trust
4. Savadi A. B., Geography of Maharashtra: Nirali Prakashan, Pune.
5. Dastane S., Maharashtra, Ramchandra and company, Pune
6. Sawadi A. B., The Mega State Series : Nirali Publication, Pune.
7. Maharashtra state Agricultural Atlas
8. Karve I., Maharashtra its Land and people,
9. More J. C., 2014, Geography & Agriculture For MPSC Examination, Atharv Publication, Pune (Marathi)

S.Y.B.A. Geography (S2), Syllabus for Semester III

Name of Subject: Practical Geography – I (Scale and Map Projections)
Subject Code: GEO: 2303

❖ **Objectives:**

- 1) To enable the students to use various scale and projections used to create maps.
- 2) To acquaint the students with basic of statistical data.

❖ **Outcome:** After study this paper students can able to identify any map scale and projection. They can also know which projection is suitable for given region.

❖ **Topics and Learning points:**

	Lecture
Unit – 1: Maps and Scales	16
1.1 Map: Meaning, Definition and Types.	
1.2 Map Scale : Definition and Types	
1.3 Conversion of Verbal scale to numeric and vice- versa (in British and Metric Systems)	
1.4 Definition and types of scale	
1.5 Construction simple graphical scale	
1.6 Construction comparative graphical scale	
Unit – 2: Map Projections	06
2.1 Definition and need of Map Projection	
2.2 Basic Concepts of Projection: Latitude, Longitude, Parallel of latitude, Meridian of longitude, Prime meridian, Equator, Direction, Calculation of time basis on meridian and GMT (Calculation of minimum two examples)	
2.3 Classification of map projection based on method of construction developable surfaces used	
Unit – 3: Zenithal Polar projection	12
Construction, Properties and Uses of	
3.1 Zenithal Polar Gnomonic Projection	
3.2 Zenithal Polar Stereographic Projection	
Unit – 4: Conical Projection	12
Construction, Properties and Uses of	
4.1 Projection with one standard parallel	
4.2 Bonne’s Projection	
Unit – 5: Cylindrical projection	12
Construction, Properties and Uses of	
5.1 Cylindrical equal area Projection.	
5.2 Mercator’s Projection	
Unit – 6: Conventional Map Projections	14
Construction, Properties and Uses of	
6.1 Mollweide’s Projection	
6.2 Universe Transverse Mercator projection	

- Note :**
1. Use of stencils, log tables, computer and calculator is allowed.
 2. Journal should be completed and duly certified by practical in-charge and Head of the Department.
 3. Int. and Ext examiner should set jointly the question paper for each batch

Reference Books :

1. Singh Lehrad, (1973) : Map Work and Practical Geography, Central Book Depot –Allahabad
2. D. Y. Ahirrao and E. K. Karanjkehe, (2002) : Pratyakshik Bhugol, Sudarshan Nashik
3. P. G. Saptarshi and S. R. Jog, Statistical Methods
4. S. N. Karlekar, (2008) : Statistical Methods, Diamond –Pune
5. T. P. Kanetkar and S. V. Kulkarni, (1986) : Surveying and Leveling, Pune Vidyrthi Griha Prakashan– Pune
6. Arjun Kumbhare, Practical Geography
7. Pijushkanti Saha & Partha Basu. (2007), 'Advanced Practical Geography', Books and Allied (P) Ltd, Kolkata