Sant Gadge Baba Amravati University, Amravati

Syllabus Prescribed under Choice based Credit System 2024-25

Faculty : Humanities

Programme: B.A. (Geography)

Part B

Syllabus prescribed Under choice based credit system 2024-25

U G Programme: B. A. (Geography)

Semester V

Code Of the Course/Subject	Title of the Course/Subject	Total Number of periods	Total Marks
1111 GEOGRAPHY	**Geography Of India**	**75 Periods**	**60**

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1) Analyze the concept of unity within diversity and how it has shaped India's national identity.
2) Identify and describe the major physical divisions of India.
3) Differentiate between the major river systems of India including the Himalayan and Peninsular rivers.
4) Describe the characteristics and causes of the Indian monsoon and its seasonal variations.
5) Identify and classify the major soil types found in India including alluvial, black, red, laterite, and desert soils.
6) Map the spatial distribution of major crops like wheat, rice, cotton, and sugarcane across different regions of India.
7) Analyze the patterns and factors affecting the spatial distribution and density of population in India.
8) Analyze the economic importance of these minerals and their role in industrial development.
9) Identify the major coal and mineral oil producing regions in India.
10) Analyze the factors contributing to the growth of these industrial regions

Unit	Content
Unit I	India in the context of world. India a Land of Diversities & Unity within diversities, physical Division of India. (15 Periods)
Unit II	Drainage system of India. Indian Climate: The Monsoon, Western Disturbance, Norwesters. (15 Periods)
Unit III	Types of Soil in India, their distribution & Characteristics Major crops in India: Wheat, Rice, Cotton, Sugarcane. (15 Periods)

Unit IV	Spatial distribution of population and density, Population Explosion, Urbanization & Sex ratio in India (15 Periods)
Unit V	Distribution & Conservation of Minerals: Iron, Copper, Bauxite Power Resources : Coal and Mineral Oil, Industrial region of India. (15 Periods)

Course Material/Learning Resources

1) Deshpande C. D.: India A Regional Interpretation, northern Bok Center, New Delhi 1992.
2) Sing R. L. Regnol Geography National Geography Society India Varanasi 1995.
3) Wadia D. N. Geology of india Macmillan & Co. Calcutta.
4) Khullar D. R.- India – A Comprehensive Geography, Kalyani Publishers 2011.
5) अहिरराव, अलीशहा, धापते, धरात : भारताचा भूगोल निराली प्रकाशन पुणे.
6) सारंग सुभाषचंद्र: भारताचा भूगोल विद्या प्रकाशन नागपूर.
7) घारपुरे विठ्ठल : भारत भौगोलीक विष्लेषण पिंपळापुरे प्रकाशन नागपुर
8) घारपुरे विठ्ठल : भारताचा भूगोल पिंपळापुरे प्रकाशन नागपुर
9) घारपुरे विठ्ठल : भारताचा भूगोल पिंपळापुरे प्रकाशन नागपुर
10) चातुभुज मामोरीया: प्रात्यक्षिक भूगोल सुमेरु प्रकाशन डोंबिंवली पूव १९९८

Skill Enhancement Module **Practical Surveying: Prismatic Compass**	**Total Marks -20**	**Total Number of Periods 15**

COs:

1) Identify and describe the various components of the prismatic compass
2) Understand and explain the working principles of the prismatic compass
3) Demonstrate proficiency in setting up and using the prismatic compass for preliminary surveys, including leveling the instrument and ensuring accurate readings.
4) Analyze and interpret compass readings to create accurate maps and determine the direction of lines and features on the ground.
5) Conduct practical fieldwork using the prismatic compass, including navigating a predefined course and performing comprehensive surveys of designated areas.

Activities	Content
1) Identify and mark the starting point (station A) and subsequent stations 2) Read the bearing directly from the compass card reflected in the prism. 3) Measure the horizontal distance between stations using a chain or tape. 4) Record the distances accurately in the field book. 5) Use the recorded bearings and distances to plot the survey lines on a map or chart. 6) Create a detailed map showing all surveyed points and lines.	1) Components of the Prismatic Compass 2) Working Principles of the Prismatic Compass 3)Practical Applications in Surveying 4) Hands-On Practice and Fieldwork 5) Project Work and Assessments

Course Material/Learning Resources

1) Sing R. L. : Elements of Practical Geography ManavBooks
2) चतुर्भुज मामोरीया : मानचित्र एवम प्रायोगीक भूगोल साहित्य भवन पब्लिकेशन मेरठ.२०१५
3) चतुर्भुज मामोरीया: प्रात्यक्षिक भूगोल सुमेरु प्रकाशन डोंबिंवली पूव १९९८
4) डॉ.मगर प्राकृतिक भूगोल भाग १,२,व ३
5) रामलोचनसिंग व दत्ता पी.के.प्रयोगात्मक भूगोल
6) डॉ.व्ही.टी.घारपुरे व प्रा.व्ही. के. पवार:प्रात्यक्षिक भूगोल (नकाशाशास्त्रीय पद्धती)

Syllabus Prescribed for B. A.
U. G. Programme B. A.
Semester:- V
Practical

Code of the course/ Subject	Titale of the course/ Subject Practical	No. Of Periods/ Week	Total Marks
V/Geography Practical	Map Projection	2 Periods/ Week	20

COs:

1) Understand the principles and mathematical basis of zenithal projections, specifically the equal-distant projection.

2) Explain the characteristics and properties of the zenithal equal-area projection in the polar case.
3) Identify the characteristics and uses of the simple cylindrical projection, including its representation of meridians and parallels.
4) Construct a cylindrical equal-area projection and apply it to maps where area preservation is essential.

List of practical / Laboratory Experiments / Activities etc.

Sr. No.	Construction of Scale	Marks
1	**Map Projection** I)Zenithal equi-distant projection: Polar case II)Zenithal equal,area projection: Polar case	10 marks
2	Practical Record	5 marks
3	Viva Voce	5 marks

Course Material/Learning Resources

1)Sing R. L. : Elements of Practical Geography ManavBooks
2)चतुर्भुज मामोरीया : मानचित्र एवम प्रायोगीक भूगोल साहित्य भवन पब्लिकेशन मेरठ.२०१५
3)चतुर्भुज मामोरीया: प्रात्यक्षिक भूगोल सुमेरु प्रकाशन डोंबिंवली पूव १९९८
4)डॉ.मगर प्राकृतिक भूगोल भाग १,२,व ३
5)रामलोचनसिंग व दत्ता पी.के.प्रयोगात्मक भूगोल
6)डॉ.व्ही.टी.घारपुरे व प्रा.व्ही. के. पवार:प्रात्यक्षिक भूगोल (नकाशाशास्त्रीय पद्धती)

Part B

Syllabus Prescribed for B.A. Second year UG Programme

Programme: B.A.(Geography)

Semester VI

Code of Course/ Subject	Title of the course/ Subject	(Total Number of Periods)	**Total Marks**
1111 GEOGRAPHY	**Geography of Maharashtra**	**75**	**60**

COs

1. Students will gain a comprehensive understanding of Maharashtra.
2. Students will be able to identify and describe the physical divisions of Maharashtra.
3. Students will analyze the distribution of rainfall across different regions of Maharashtra.
4. Students will identify various soil types found in Maharashtra.
5. Students will learn about traditional and modern agricultural practices used for cultivating these major crops.
6. Students will gain knowledge about the key mineral resources found in Maharashtra.
7. Students will understand the importance of coal as a power resource in Maharashtra and its role in the state's energy production Identify.
8. Students will evaluate the major industries in Maharashtra
   Students will identify and describe major geographical tourist places in Maharashtra

Unit	Content
Unit I	Maharashtra in the context of India, Physical division of Maharashtra, Drainage System of Maharashtra **(15 periods)**
Unit II	Climate: Distribution of rainfall, Soil Types, Vegetation
Unit III	Major Crops in Maharashtra: Wheat, Rice, Jawar, Cotton & Sugarcane. **(15 periods)**
Unit IV	Maharashtra: Minerals : Manganese, Bauxite and iron ore, Power Resource : Coal, **(15 periods)** Hydro-electricity,Major Industries : Cotton Industry & Sugar Industry. **(15 periods)**
Unit V	Population: Distribution of Population and density, Population Migration. Geographical Tourist Places. **(15 periods)**

Books Recommended :-

1) Arunachalam B. : Geography of Maharashtra.
2) Deshapande C.D. : Geography of Maharashtra, Northern Book Centre, New Delhi.
3) Sawadi&Keche : Maharashtra.
4) Deshpande : Economy of Maharashtra.
5) Dixshit K. R. : Maharashtra in Maps.
DidderJaymala :Geography of Maharashtra, Rawat publication. 2002
7) Censes Atlas : Govt. of Maharashtra.
8) Sing R. L. : Elements of Practical Geography, Manav Books. 2015
9) फुले सुरेश : महाराष्ट्राचा भूगोल औरंगपुरा, औरंगाबाद .२००९
10) केचे पांडुरंग : महाराष्ट्राचा भूगोल.
11) पाटील टी. पी. : महाराष्ट्राचा भूगोल.
12) सवदी ए. बी. : महाराष्ट्राचा भूगोल निराली प्रकाशन, पुणे.
13) सावंत प्रकाश : महाराष्ट्राचा भूगोल फडके प्रकाशन २००२
14) घारपुरे विठ्ठल : महाराष्ट्राचा भूगोल पिंपळापुरे ,प्रकाशन, नागपूर २०१८.
15) मगर जयकुमार : महाराष्ट्राचा भूगोल, नागपूर.१९९०
16) पाटील व्ही.जे. : महाराष्ट्राचा भूगोल भूगोल, प्रशांत प्रकाशन २०१०
17) कार्लेकर श्रीकांत व सागळे शैलजा : महाराष्ट्राचा भूगोल, डायमंड प्रकाशन पुणे २००९

Skill Enhancement Module Dumpy Level Surveying	Total Marks -20	Total Number of Periods- 15

COs: Upon successful completion of the Dumpy Level Surveying module, students will be able to:

1. Clearly identify and describe the various components of the Dumpy Level
2. Accurately focus the telescope on the leveling staff and correctly read the measurements, ensuring precise data collection.
3. Use the height of instrument (HI) method and the rise and fall method to calculate elevations accurately, applying these calculations to various surveying tasks.
4. Analyze and interpret survey data to create detailed reports and contour maps, demonstrating the ability to visualize and present survey results effectively.

** Activities	**Contents**
1) Get students familiar with the Dumpy Level and its components. 2) Brief overview of the Dumpy Level and its importance in surveying. 3) Assemble the Dumpy Level and tripod in small groups. 4) Practice proper setup and leveling of the Dumpy Level. Direct distance Area. 5) Set up the Dumpy Level at a designated benchmark. 6) Calculate the height of the new point using the readings. 7) Mark grid points on the survey area. 8) Plot elevations on graph paper. 9) Group discussion on the impact of errors and the importance of accuracy in surveying.	1. Introduction 2. Components of a Dumpy Level 3. Setting Up a Dumpy Level 4. Operating the Dumpy Level 5. Conducting a Leveling Survey 6. Advantages and Limitations of Using a Dumpy Level

Course Material/Learning Resources

1) Sing R. L. : Elements of Practical Geography ManavBooks
2) चतुर्भुज मामोरीया : मानचित्र एवम प्रायोगीक भूगोल साहित्य भवन पब्लिकेशन मेरठ.२०१५
3) चतुर्भुज मामोरीया: प्रात्यक्षिक भूगोल सुमेरु प्रकाशन डोंबिंवली पूव १९९८
4) डॉ.मगर प्राकृतिक भूगोल भाग १,२,व ३
5) रामलोचनसिंग व दत्ता पी.के.प्रयोगात्मक भूगोल
6) डॉ.व्ही.टी.घारपुरे व प्रा.व्ही. के. पवार:प्रात्यक्षिक भूगोल (नकाशाशास्त्रीय पद्धती)

Syllabus Prescribed for B. A.
U. G. Programme B. A.
Semester:- VI
Practical

Code of the course/ Subject	Titale of the course/ Subject Practical	No. Of Periods/ Week	Total Marks
VI/Geography Practical	**Map Projection & Study Tour**	**2 Periods/ Week**	**20**

COs:

1) Understand the principles and mathematical basis of zenithal projections, specifically the equal-distant projection.
2) Explain the characteristics and properties of the zenithal equal-area projection in the polar case.
3) Identify the characteristics and uses of the simple cylindrical projection, including its representation of meridians and parallels.
4) Construct a cylindrical equal-area projection and apply it to maps where area preservation is essential.

1111/ Geography	**Map Projection & Study Tour**	2 Periods/Week/Batch
1	**Map Projection** I) Simple Cylindrical projection II) Cylindrical Equal aria projection	(5 Marks)
2	Study Tour or Socio-Economic Survey	(5 Marks)
3	Practical Record	(5 Marks)
4	Viva-Voce	(5 Marks)

CERTIFICATE

DEPARMENT OF GEOGRAPHY

Name of college _____

This is certify that this practical is the records is bonafide Practical work of

Shri Ku. _____ during the Academic year_____ Semester _____

Dated :-

1._____

2. _____

3. _____

Signature of the teacher

Head of the Department

Note : In absence of Practical record book, examinee will not be allowed to appear for the Practical examination.