



Tuljaram Chaturchand College, Baramati

Autonomous College

Three years degree programme in Geography

(Faculty of Science and Technology)

Revised Syllabus for

T.Y.B.A. Geography

For Tuljaram Chaturchand College, Baramati

Choice Based Credit System Syllabus

To be implemented from Academic Year 2021-2022

Choice Based Credit System Syllabus

Semester	Code No.	Paper Title
V	GEO 3501	Geography of Tourism-I
	GEO 3502	Physical Geography of India
	GEO 3503	Practical in Map Reading and Map Preparation
VI	GEO 3601	Geography of Tourism-II
	GEO 3602	Human Geography of India
	GEO 3603	Practical in Statistical Techniques

To be implemented from Academic Year 2021-2022**T. Y. B. A. GEOGRAPHY**

T.Y.B.A. Geography (G3), Syllabus for Semester V

Subject: Tourism Geography-I

Subject Code: GEO: 3501

No. of Credits: 03

Learning Objectives:

1. To introduce the fundamentals of tourism.
2. To learn the basics of tourism services.
3. To learn the role of geographical factors in tourism.
4. To introduce various accommodation facilities at tourism places.

Learning Outcomes:

After the completion of the course, Students will be able to-

1. Students will understand basic concepts in tourism
2. Students will understand potentials of different tourist places.
3. Students will know relationship between tourism and geography.
4. Students will get acquainted with accommodation.

Topics and Learning points

<p>Unit – 1: Introduction to Tourism Geography</p> <p>1.1 Tourism: Meaning, nature and Characteristics</p> <p>1.2 Definition of Tourists and Tourism</p> <p>1.3 Approaches to the study of Tourism</p> <ul style="list-style-type: none"> i. Uniqueness ii. Diversity iii. Recreational iv. Dynamic v. Interdisciplinary vi. Non-Productive vii. Seasonal <p>1.4 Tourism as a Basic Need of Mankind</p> <p>1.5 Introduction to tourism as an industry</p> <p>1.6 Relation between Geography and Tourism</p> <p>1.7 Importance of Tourism</p>	<p>Lectures</p> <p>12</p>
<p>Unit – 2: Classification of Tourism and Tourist</p> <p>2.1 Classification of Tourism</p> <ul style="list-style-type: none"> i. Geo-Tourism ii. Agro- Tourism iii. Heritage Tourism iv. Adventure Tourism v. Religious Tourism vi. Health Tourism vii. Sport Tourism viii. Disaster Tourism <p>2.2 Classification of Tourist Based on</p> <ul style="list-style-type: none"> i. Nationality ii. Travel Time iii. Travel Distance iv. Number of Tourists 	<p>12</p>

<ul style="list-style-type: none"> v. Purpose vi. Approach 	
<p>Unit – 3: Transportation and Communication</p> <p>3.1 Role of Transport in Tourism</p> <ul style="list-style-type: none"> i. Road ii. Rail iii. Water iv. Air v. Space <p>3.2 Support System in tourism industry</p> <ul style="list-style-type: none"> i. Guide ii. Telephone/ mobile/ TV iii. Internet iv. Electronic & Printing Media v. Travel & Tourist Agencies 	12
<p>Unit – 4: Accommodation</p> <p>4.1 Accommodation Types</p> <ul style="list-style-type: none"> i. Private Hotels, motels, Inn, home stay ii. Govt. accommodation- Tourist home, Guest House, Rest house, Youth Hostel, Tents, Caravans and Bed & Breakfast iii. Rail Yatribhavan iv. House boats v. Dharmashala <p>4.2 Booking and Accommodation</p>	12

Reference Books & Websites:

1. Robinson H.(1996): A Geography of Tourism
2. Bhatia A.K.,Sterling Publisher Ltd.,New Delhi :Tourism Development, Principles and Practices
3. S.N. Singh (1985): Geography of Tourism and Recreation
4. Douglas Pearce(1987) Tourism Today : A Geographical Analysis :
5. Mathieson A. and Wall C, Logman,U.K :Tourism : Economic Physical and Social Impact :
6. Manoj Das India: A tourist Paradise
7. Maneet Kumar Tourism Today: An Indian Perspective
8. Hudman L.E. Geography of Travel and Tourism
9. Seth P.N (1985) Sterling Publisher Ltd., New Delhi Successful Tourism Management.
10. Smith S.L.J : Tourism Analysis.
11. Gupta V.K : Tourism of India
12. Kaul R.N,Sterline Publisher Ltd : Dynamics of Tourism
13. Shinde S.B, Phadke Prakashana Kolhapur 2: Geography of Tourism
14. Nagktode P.M., Prof. D.Pardhi. Vidya Prakashan Nagpur : Geography Tourism
15. Vitthal Gharpure., Pimplapure Publication Nagpur : Geography of Tourism.
16. Bhagwat A.V., Medha Joshi .:Murlidhar Publication Pune :Geography of Tourism.
17. Dixit N.K,Vista International Publication Delhi: Tourism Geography.

T.Y.B.A. Geography (S3), Syllabus for Semester V

Subject: Physical Geography of India**Subject Code:** GEO: 3502**No. of Credits:** 03**Learning Objectives:**

1. To get an introduction to the main regions of the India in terms of both their uniqueness and similarities.
2. To understand climatic characteristics of India.
3. To know the various drainage system of India.
4. To enhance the knowledge about soil and natural vegetation in India.

Learning Outcomes:

After the completion of the course, Students will be able to-

1. Identify and explain the Indian Geographical Environment.
2. Evaluate the impacts on natural environments of India.
3. Understand difference between Himalayan and peninsular drainage system.
4. Know the impact of climate on types of soil.

Topics and Learning points

<p>Unit – 1: Location and Physiography</p> <p>1.1 Location and extent of India</p> <ul style="list-style-type: none"> i. Absolute and Relative ii. Latitudinal and Longitudinal extent <p>1.2 India and neighboring countries</p> <p>1.3 Physiographic divisions of India and their characteristics and importance</p> <ul style="list-style-type: none"> i. The Northern Mountain ii. The Northern Plains iii. The Peninsular Plateau iv. The Coastal Plains v. The Islands 	<p>Lectures</p> <p>12</p>
<p>Unit – 2: Climate</p> <p>2.1 Main seasons and associated weather conditions</p> <ul style="list-style-type: none"> i. The winter ii. The summer iii. The rainy/ monsoon iv. The retreat of monsoon <p>2.2 Monsoon: Origin and Mechanism</p> <p>2.3 El- Nino and La- Nina</p> <ul style="list-style-type: none"> i. Concept and mechanism ii. Impact on Indian monsoon 	<p>12</p>
<p>Unit – 3: Drainage System</p> <p>3.1 Meaning, Definition and Concept of Drainage System</p> <p>3.2 The Himalayan River System</p> <ul style="list-style-type: none"> i. East flowing rivers (Ganga, Brahmaputra) ii. West flowing rivers (Indus) <p>3.3 The Peninsular River System</p> <ul style="list-style-type: none"> i. East flowing rivers (Godavari, Krishna and Mahanadi) 	<p>12</p>

ii. West flowing rivers (Narmada and Tapi)	
Unit – 4: Soil and Natural Vegetation	12
4.1 Types of soil and Its distribution	
i. Alluvial Soil	
ii. Black Soil	
iii. Red Soil	
iv. Lateritic Soil	
v. Forest and Mountain Soil	
vi. Saline and Alkaline Soil	
vii. Peaty and Marshy Soil	
4.2 Soil Degradation and Conservation	
4.3 Types of Natural Vegetation and the distribution	
i. Moist Tropical Forest	
ii. Dry Tropical Forest	
iii. Mountain Sub- Tropical Forest	
iv. Alpine Forest	
4.4 Deforestation and Conservation	

Reference Books:

1. Khullar R. D. (2007): India- A Compressive Geography, Kalayani Publisher.
2. Aher A.B, Chaodhari A. P & Chaodhari Archna. Regional Geography of India Prashant Publication Jalgaon 2015.
3. Khullar, D. R. (2006): India. A Comprehensive Geography. Kalyani Publishers., New Delhi.
4. Krishnan, M. S. (1968): Geology of India and Burma. 4th edition. Higgin Bothams Private. Ltd., Madras
5. Nag, P. and Gupta S. S. (1992): Geography of India. Concept Publishing. Company, New Delhi.
6. Singh, R. L. (ed.) (1971): India. A Regional Geography. National Geographical Society of India, Varanasi.

T.Y.B.A. Geography (S4), Syllabus for Semester V**Subject:** Practical in Map Reading and Map Preparation**Subject Code:** GEO: 3503**No. of Credits:** 04

Workload: Six periods per week per batch consisting of 12 students; however the last batch needs to have more than six students.

Examination for the course will be conducted at the end of the semester.

Learning Objectives:

1. To Introduce SOI toposheets and Indian Daily Weather Report.
2. To develop the skills of toposheet and weather map reading/interpretation.
3. To introduce basic skills of map making using advance technology.
4. To introduce Google Earth and Google Maps
5. The goal to enhance the students learning experience with field visits and digital techniques.
6. The overall aim of the course is to provide an introduction to map reading.

Learning Outcomes:

On completion of this course, the student will be able to:

1. Gain understanding of basic concepts of map making using ArcGIS techniques.
2. Become familiar with the reading of SOI toposheets and IMD weather maps.
3. Gain practical experience and awareness of some skills of map preparation and reading.
4. Identify different physical and manmade features on the toposheets.
5. Attain solid grounding to enable self-learning of additional techniques of map interpretation and making map beyond those taught in the course.
6. Use effectively Google Earth and Google Maps

Topics and Learning points

<p>Unit – 1: Introduction to Toposheets</p> <p>1.1 Introduction to Survey of India (SOI) toposheets</p> <p>1.2 Marginal Information, Conventional signs and symbols</p> <p>1.3 Types of toposheet/Indexing of toposheets</p> <ul style="list-style-type: none"> i. 1: 1000000/Million sheet ii. 1:250000/Degree sheet/Quarter inch sheet iii. 1:100000/Half inch sheet iv. 1:50000/One inch sheet 	<p>Lecture</p> <p>12</p>
<p>Unit – 2: Methods of Relief Representation & Profiles</p> <p>2.1 Quantitative methods of relief representation</p> <ul style="list-style-type: none"> i. Regional: Contours, Form lines, ii. Locational: Bench Marks, Spot Height, Triangulation Mark, Relative Height (r) <p>2.2 Representation of slopes by contours</p> <ul style="list-style-type: none"> i. Concave and Convex Slope, ii. Steep and Gentle Slope iii. Uniform and Non-uniform Slope <p>2.3 Representation of landforms by contours</p> <ul style="list-style-type: none"> i. Hill, Spur, Plateau, Ridge, Pass, Cliff & Waterfall <p>2.4. Profiles</p> <ul style="list-style-type: none"> i. Cross profile of any region from toposheet ii. Longitudinal profile of a river or road from toposheet 	<p>12</p>
<p>Unit – 3: SOI Toposheet Reading and Interpretation</p> <p>3.1 Reading of at least two toposheet one each for Plain or Plateau and Mountainous Region</p> <p>3.2 One day field Excursion for orientation of toposheet, observation and identification of geographical features and preparation of a brief report</p>	<p>12</p>
<p>Unit – 4: Weather Map Reading and Interpretation</p>	<p>12</p>

<p>1.1 Introduction to Indian Daily Weather Report of India Meteorological Department (IMD)</p> <p>1.2 Symbols in Indian Daily Weather Report</p> <p>1.3 Isobaric patterns: Cyclone and Anticyclone</p> <p>1.4 Reading of weather map of any two seasons.</p> <p>1.5 One day visit to nearby weather station of IMD</p>	
<p>Unit – 5: Preparation of Thematic Map using GIS Softwares</p> <p>1.1 Introduction to Geographical Information System (GIS)</p> <ul style="list-style-type: none"> i. Definition of GIS ii. Components of GIS iii. Applications of GIS <p>1.2 Preparation of Thematic map using Arc Map or QGIS Software</p> <ul style="list-style-type: none"> i. Geo-referencing of Toposheet ii. Digitization of Point, Line & Polygon features iii. Attribute data attachment iv. Creation of Layout and thematic map <p>1.3 Introduction to Google Earth and Google Maps</p>	12

Reference Books & Websites:

1. Singh Lehtaj, (1973): Map Work and Practical Geography, Central Book Depot – Allahabad
2. D. Y. Ahirrao and E. K. Karanjkehe, (2002): Pratyakshik Bhugol, Sudarshan Publication, Nashik
3. Arjun Kumbhare (1994), Practical Geography, Sumeru Publication, Mumbai.
4. Pijushkanti Saha & Partha Basu (2007): Advanced Practical Geography, Books and Allied (P) Ltd., Kolkata.
5. Heywood, I., Cornelius, S. and Carver, S. (2011) An Introduction to Geographical Information Systems. Prentice Hall, Fourth Edition.
6. <https://surveyofindia.gov.in/>
7. <https://mausam.imd.gov.in/>
8. <https://www.imdpune.gov.in/>
9. <https://www.esri.com/en-us/home>
10. <https://youtube.com/c/GeoDeltaLabs>
11. <https://www.google.com/earth/>
12. <https://www.google.com/maps>
13. <http://studymaterial.unipune.ac.in:8080/jspui/handle/123456789/201>

T.Y.B.A. Geography (G3), Syllabus for Semester VI**Subject: Tourism Geography-II****Subject Code: GEO: 3601****No. of Credits: 03**
-----**Learning Objectives:**

1. To know the impacts of tourism.
2. To aware the students with the utility and application of Tourism
3. To understand Tour planning and Skill development.
4. To understand the impact of Physical and Human Environments on tourism.
5. To learn the tourism potentials in various continents.

Learning Outcomes:

After the completion of the course, Students will be able to-

1. Students will understand various impacts of tourism.
2. Students will know various tourist places of the world
3. Students will able to plan tours.

Topics and Learning points

<p>Unit – 1: Impact of Tourism</p> <p>1.1 Environmental Impact</p> <ul style="list-style-type: none"> i. Land Degradation ii. Pollution – Land, Water, Air iii. Loss of Plants iv. Loss of Wild Animals and Birds <p>1.2 Economic Impacts</p> <ul style="list-style-type: none"> i. Tourism as an Economic Activity ii. Effect on foreign Exchange iii. Employment generation iv. Increase of Land Values v. Increase of Trading Activity vi. Increase of Govt. Revenues vii. Growth of infrastructure development <p>1.3 Social and Cultural Impact</p> <ul style="list-style-type: none"> i. New colonialism ii. Crime iii. Religion iv. Language v. Health vi. Traditional Arts 	<p>Lectures</p> <p>12</p>
<p>Unit – 2: Tourism potentials and Attraction</p> <p>2.1 Continent wise tourism Potential and attractions</p> <p>2.2 Tourism Potential and Attractions in India</p> <ul style="list-style-type: none"> i. Physical ii. Cultural iii. Historical 	<p>12</p>

<p>iv. Religious</p> <p>2.3 Impact of Environmental and Biological Disaster on Tourism</p>	
<p>Unit – 3: Local Tourism</p> <p>3.1 Concept and need of local tourism</p> <p>3.2 Introduction to local tourist places</p> <p>3.3 Potential of local tourism and available infrastructure</p> <p>3.4 A case study of local tourism</p> <p>i. Pune District</p> <p>ii. Baramati Tahsil</p>	12
<p>Unit- 4: Tour planning and Skill development</p> <p>4.1 Basic skills in Tour Planning</p> <p>i. Communication</p> <p>ii. Time Management</p> <p>iii. Online booking</p> <p>iv. Net banking</p> <p>4.2 Framing the tour plan (Itinerary)</p> <p>i. Destination and Route</p> <p>ii. Duration</p> <p>iii. Budget (Costing)</p> <p>iv. Insurance</p> <p>4.3 Promotion of tourism</p> <p>i. Broachers</p> <p>ii. Social media</p> <p>iii. Television</p> <p>iv. Newspaper and Magazines</p> <p>4.4 International Tour Planning</p> <p>i. Need, types and required documents for passport and visa</p> <p>ii. International Date Line, Time difference, GMT and Indian Standard Time</p> <p>4.5 Travel agencies in India</p>	12

Reference Books & Websites:

1. Robinson H.(1996): A Geography of Tourism
2. Bhatia A.K.,Sterling Publisher Ltd.,New Delhi :Tourism Development, Principles and Practices
3. S.N. Singh (1985): Geography of Tourism and Recreation
4. Douglas Pearce(1987) Tourism Today : A Geographical Analysis :
5. Mathieson A. and Wall C, Logman,U.K :Tourism : Economic Physical and Social Impact :
6. Manoj Das India: A tourist Paradise
7. Maneet Kumar Tourism Today: An Indian Perspective
8. Hudman L.E. Geography of Travel and Tourism
9. Seth P.N (1985) Sterling Publisher Ltd., New Delhi Successful Tourism Management
10. Smith S.L.J : Tourism Analysis
11. Gupta V.K : Tourism of India
12. Kaul R.N,Sterline Publisher Ltd : Dynamics of Tourism
13. Shinde S.B, Phadke Prakashana Kolhapur 2: Geography of Tourism

T.Y.B.A. Geography (S3), Syllabus for Semester VI

Subject: Human Geography of India**Subject Code:** GEO: 3602**No. of Credits:** 03**Learning Objectives:**

1. To introduce basic concepts in population studies
2. To understand population in terms of their spatial distribution pattern
3. To understand economic development, demographic and social change.
4. To introduce demographic, social and cultural attributes.

Learning Outcomes:

After the completion of the course, Students will be able to-

1. Understand the Population distribution of India.
2. Demonstrate critical thinking in evaluating historical background for migration, Population and their distribution.
3. Understand impact of agriculture, Industries, Minerals on the Indian economy.
4. Analyze the human (migration, Population, Industries, Agriculture, Minerals) contexts of India in order to recommend policies aimed at social change

Topics and Learning points

<p>Unit – 1: Population</p> <p>1.1 Sources of population data</p> <p>1.2 Population Growth and Distribution</p> <p>1.3 Population Dynamics</p> <ul style="list-style-type: none"> i. Fertility ii. Mortality iii. Migration <p>1.4 Population Composition and Characteristics</p> <ul style="list-style-type: none"> i. Age ii. Sex iii. Literacy iv. Rural and Urban Composition v. Occupational vi. Religious vii. Linguistic 	<p>Lectures</p> <p>12</p>
<p>Unit – 2: Settlement</p> <p>2.1 Types and Patterns of Rural Settlement</p> <p>2.2 Urban Development</p> <p>2.3 Functional Classification of Indian Cities</p> <p>2.4 Settlement hierarchy</p> <p>2.5 Slums and Associated Problems</p> <p>2.6 Concept of Smart City</p> <p>2.7 Problems of Urbanization and Remedies</p>	<p>12</p>

Unit – 3: Agriculture	12
3.1 Significance of Agriculture in Indian Economy	
3.2 Major Crops: Rice, Wheat, Sugarcane and Cotton Green Revolution	
3.3 White Revolution	
3.4 Blue Revolution	
3.5 Livestock Resources	
3.6 Tissue Culture & Horticulture	
3.7 Important Government Schemes	
Unit – 4: Industries	12
4.1 Importance of Industries in Indian Economy	
4.2 Agro Based Industries: Location, Factors, Distribution, Production	
i. Cotton Industries	
ii. Sugar Industries	
iii. Jute Industries	
4.3 Mineral Based Industries: Location, Factors, Distribution, Production	
i. Iron and Steel Industries	
ii. Aluminium Industries	
4.4 Fertilizers Industries	
4.5 Automobile Industries	
4.6 New Industrial Policies	
4.7 Special Economic Zone	

Reference Books & Websites:

2. Bhende A. and Kanitkar T., 2000: Principles of Population Studies, Himalaya Publishing
3. Jones, H. R., 2000: Population Geography, 3rd ed. Paul Chapman, London.
4. Maurya S D (2009) Jansankya Bhugol, Sharda Putak Bhawan, Allahabad
5. Singh, R.L.(ed.): India: A Regional Geography. National Geographical Society. India, Varanasi, 1971.
6. Patil S. G., Suryawanshi R. S., Pacharne S., Choudhar A. H. : Economic Geography, Atharav Prakashan, Pune. (2014) (Marathi).
7. Aher A. B. , Arekar R.: Commercial Geography, Atharav Prakashan, Pune. (2013) (Marathi).
8. Datt & Sunderm: Indian Economy (2014)
9. Dubey R. N. : Economic Geography Of India
10. Tirtha, Ranjit. : Geography of India, Rawat, Jaipur, 1996.
11. Pijushkanti Saha & Partha Basu (2007): Advanced Practical Geography, Books and Allied (P) Ltd., Kolkata.
12. Heywood, I., Cornelius, S. and Carver, S. (2011) An Introduction to Geographical Information Systems. Prentice Hall, Fourth Edition.
13. Majid H., (2013): Geography of India, Tata Mcgraw Hill Education (India) Private Limited, New Delhi.
14. <https://epgp.inflibnet.ac.in/>
15. <https://ndl.iitkgp.ac.in/>

T.Y.B.A. Geography (S4), Syllabus for Semester VI**Subject:** Practical in Statistical Techniques**Subject Code:** GEO: 3603**No. of Credits:** 04**-----Workload:**

six periods per week per batch consisting of 12 students; however the last batch needs to have more than six students.

Learning Objectives:

7. To Introduce SPSS software for data analysis.
8. To develop the skills of data collection and interpretation.
9. Students will also learn how to plan a small group field visit and work in small groups in the field
10. The goal to enhance the students learning experience with field visits and digital techniques.
11. The overall aim of the course is to provide an introduction to fundamental statistical methods used in Geography.

Learning Outcomes:

On completion of this course, the student will be able to:

7. Gain understanding of basic statistical techniques used in Geography.
8. Analyze the data in the SPSS software.
9. Gain practical experience and awareness of some skills of field visits and data collection.
10. Develop skills by problem-solving, field and/or primary and secondary data collection, analysis and interpretation.
11. Develop communication and interactive skills through group work.
12. Enhance ability to work as part of a team.

Topics and Learning points

<p>Unit – 1: Introduction to statistical techniques in geography</p> <p>1.1 Applications of statistical techniques in Geography</p> <p>1.2 Geographical data</p> <ol style="list-style-type: none"> i. Primary and secondary data ii. Spatial and temporal data iii. Discrete and continuous data iv. Grouped and ungrouped data <p>1.3 Types of statistics: descriptive and inferential statistics</p>	<p>Lectures 08</p>
<p>Unit – 2: Descriptive Statistics</p> <p>2.1 Introduction to descriptive statistics</p> <p>2.2 Measures of central tendency: mean, mode and median</p> <p>2.3 Measures of dispersion: variance and standard deviation (Calculations of above parameters for ungrouped and grouped data)</p>	<p>12</p>
<p>Unit – 3: Inferential statistics</p> <p>3.1 Population and sample</p> <p>3.2 Hypothesis testing: null and alternative hypothesis</p> <p>3.3 The Chi-square test (One sample case)</p> <p>3.4 Student's 't' test (Two sample case)</p>	<p>12</p>
<p>Unit – 4: Correlation and regression analysis</p> <p>4.1 Introduction to bivariate correlation and regression</p> <p>4.2 Pearson's product-moment correlation coefficient</p>	<p>12</p>

4.3 Spearman's Rank order correlation coefficient 4.4 Linear regression equation.	
Unit – 5: Data collection and analysis in SPSS 5.1 Introduction to SPSS software for statistical analysis 5.2 Designing questionnaire 5.3 Collection of primary and/or secondary data by field visit (group of four students) 5.4 Analysis of data in SPSS by using learned statistical techniques 5.5 Interpretation of analysed data.	12
Unit – 6: Study tour or village/ city survey 6.1 A short tour of two days duration or a long tour of more than five days duration and preparation of study report OR 6.1 A village/ city survey and preparation of report	04

Reference Books:

14. Singh Lehrad, (1973): Map Work and Practical Geography, Central Book Depot – Allahabad
15. D. Y. Ahirrao and E. K. Karanjkehele, (2002): Pratyakshik Bhugol, Sudarshan Publication, Nashik
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27. Yeats, M. H. (1974): An Introduction to Quantitative Analysis in Human Geography.
28. <http://studymaterial.unipune.ac.in:8080/jspui/handle/123456789/201>