

**SWAMI RAMANAND TEERTH MARATHWADA  
UNIVERSITY, NANDED.**

**SYLLABUS**

**GEOGRAPHY**

**B.A. THIRD YEAR**

**ANNUAL PATTERN**

**WITH EFFECT FROM JUNE, 2010**

# Geography

## B. A. T. Y.

Paper No.	Title of Paper	Marks	Periods per week	Duration of Examination
V	General Geography of India	100 80+20(Int)	04	03 Hrs
VI	Resource and Environment	100 80+20(Int)	04	03 Hrs
OR VI	Development of Geographical Thought	100 80+20(Int)	04	03 Hrs
	Practicals in Geography	50		
	Practical – I	40+10 (Int)	03(Perbatch)	03 Hrs
	Practical – II	50 40+10 (Int)	03(Perbatch)	03 Hrs

1. Strength of students for each practical batch for each paper shall not be more than 15 (Fifteen).
2. Submission of certified journal is compulsory.
3. Total periods for each theory paper shall be 120 per year.
4. Total periods for each practical paper of 50 marks shall be 90 per year.
5. Practical Examination will be held at the end of second term.
6. Internal examination pattern for theory paper : Test = 10 marks  
Tutorial = 10 marks
7. Internal examination pattern for practical paper : Test = 05 marks  
Tutorial = 05 marks

**B. A. Third Year**

**Subject : Geography**

**Paper – V**

## **General Geography of India**

**Objectives :**

**Total Periods : 120**

The Course is aimed at presenting a comprehensive integrated and empirically based profile of India. Besides this the objectives is to highlight the linkages of systematic geography of India with the regional personality of the country. The course is designed so as to present the role of the geographical positioning of India in molding its geopolitical personality and its inter – relations with other countries.

### **Course Contents :**

**Unit I :**

**20 periods**

India in the context of southeast & South Asia. India a land of diversities; unity with diversity. Physical regions of India, Drainage systems of India.

**Unit II :**

**20 periods**

Regional and seasonal variations of climate – The monsoon, western disturbance, norwesters. Climate regions of India.

**Unit III :**

**20 periods**

Soil types of India – Their distribution and characteristics, vegetation types and distribution. Forests, water, minerals and power resources – The status of their use and need of conservation.

**Unit IV :****20 periods**

Spatial distribution of population and density, socio – economic implications of population explosion, urbanization & changing nature of Indian economy.

**Unit V :****10 periods**

Agricultural growth during the plan period, Green revolution Vis-à-vis traditional farming.

**Unit VI :****10 periods**

Industrial development and Indian economy. Industrial regions of India and their industrial structure. Composition of domestic and international trade.

**Unit VII :****20 periods**

Contemporary issues – regional disparity in social and economic development, poverty, population explosion, globalization, social & ethnic tension, gender discrimination and empowerment of women.

**Suggested Reading :**

1. Deshpande, C.D. : India : A Regional Interpretation, Northern Book Center, New Delhi 1992.
2. Farmer, B.H. : An Introduction to South Asia. Methuen, London, 1983.
3. Govt. of India : India – Reference Annual 2001, Pub. Div. New Delhi, 2001.
4. Govt. of India : National Atlas of India NATMO Publication, Calcutta.
5. Govt. of India : The Gazetteer of India, Vol 1 &3, Publication Division, New Delhi, 1965.
6. Learmonth, A.T.A. : Man and Land of South Asia, Concept, New Delhi.

7. Mitra, A : Levels of Regional Development in India, – Census of India – Vol – 2 part 1 A (1) & (2) New Delhi, (1987).
8. Routray, J.K. : Geography of Regional Disparity, Asian Institute of Technology, Bangkok, 1993.
9. Shafi, M. : Geography of South Asia – Mc Millan & Co, Calcutta, 2000.
10. Sing, R.L. : India : A Regional Geography : National Geographical Society India, Varanasi, 1971.
11. Spate, OHK & Learmonth A.T.A. : India & Pakistan – Land, People & Economy – Methuen & Co, London. 1967.
12. Wadia D.N. : Geography of India – Mc Millan & Co London.
13. Sharma, T.C. : Economic & commercial Countinho Geography of India – Vikas Publication House, New Delhi.

**Other Readings :**

- 1- "kdj "k/s %Hkkj rkp k Hkksy
- 2- fd"ku dudjs %Hkkj rkp k Hkksy
- 3- I keukFk fcjktnkj %Hkkj rkp k Hkksy
- 4- vkeksch f"kas %Hkkj rkp k Hkksy

**B. A. Third Year**

**Subject : Geography**

**Paper – VI**

## **Resource and Environment**

**Objectives :**

**Total Periods : 120**

The objectives of this paper is to provide an overview of resource geography and its interface with environment. The course aims to provide an understanding of the existing reality of resource utilization and depletion, further aims to sensitize the students to the concept of sustainable resource use and sustainable development.

**Course Contents :**

**Unit I :**

**20 Periods**

Resources :

- 1) Meaning nature and components.
- 2) Classification of resources –

Renewable and non renewable.

Biotic – Forest wild life, livestock, fisheries, agricultural crops.

Abiotic – land, water , minerals.

**Unit II :**

**20 Periods**

Environment -

- i) Environment – Meaning, nature and components.
- ii) Ecosystem – meaning, types, structure and function.
- iii) Cycle of environment compound – Carbon, Nitrogen and Oxygen.

**Unit III :****20 Periods**

Distribution and utilization of following resources with their economic and environmental significance and conservation.

- i) Water resources
- ii) Mineral resources – Iron ore and Bauxite.
- iii) Energy resources – Coal Mineral oil and Atomic.
- iv) forest resources
- v) soil resources.

**Unit IV :****20 Periods**

- i) Growth and distribution of population; population pressure and resource utilization.
- ii) Man –environment interrelations with respect to population size, types of economy and technology.

**Unit V :****10 Periods**

Exploitation of natural resources and environmental hazards Natural hazards – Earthquake, Volcanoes, Landslides, Floods, Drought & Famine. Man Made Hazards.

**Unit VI :****10 Periods**

Pollution – Meaning and types

Air, water & sound pollution – their causes, effects and remedies.

**Unit VII :****20 Periods**

Emerging environmental issues – population explosion, food security, deforestation, global warming, conservation of bio–diversity, sustainable development.

### **Suggested Readings :**

1. Agarwal, A.et.al. : The citizen's Fifteenth Report. Centre for science & Environment, New Delhi, 1999.
2. Alexander, John,: Economic Geography, Prentice Hall, New Delhi, 1988.
3. Allen,J.L. : Student Atlas of Environment Issues Dushkin pub, 1997.
4. Brown, L.R. : In the Human Interest, East –West Press, New Delhi, 1976.
5. Chandna, R..C. : A Geography of Population : Concepts, Determinants and Patterns – Kalyani Publishers, New Delhi, 1986.
7. Cutter, L. Renwick : Exploitation, Conservation & Preservation A Geographic H.L. Perspective and Natural Resources Use – Rowman & Allanheld, Totowa, N.J. 1985.
8. Hagget, Peter : Geography – A Modern Synthesis – Harper & row Publishers, New York, 1975.
9. Janaki, V.A. : Economic Geography – Concept Publishing Co. New Delhi, 1985.
10. Leong, G.C. & : Human & Economic Geography -  
Morgen G.C. Oxford University Press, London, 1982.
11. Reid, D. : Sustainable Development, Earthcan pub, London, 1995.
12. Sharma, H.S. : Ravine Erosion in India – Concept, New Delhi – 1980.
13. Sharma,H.S. : Sustainable Development –  
Chattopadhyay S.K. Concepts and Issues – Concepts, New Delhi, 2000.
14. Simmons, I.G. : The Ecology of Natural Resources, Edward Arnold, London, 1974.
15. UNESCO : Use and Conservation of the Biosphere – Paris, 1970.



**B. A. Third Year**

**Subject : Geography**

**Paper – VI**

## **Development of Geographical Thought**

**Objectives :**

**Total Periods : 120**

The objectives of this course is to introduce the students to the philosophical and methodology foundations of the subject and its place in the world of knowledge. Secondly, familiarize them with the major landmarks in the development of geographical thought at different periods of time.

**Course contents :**

**Unit I :**

**20 periods**

Brief History of geographical thought – Greek, Roman, Arab, Indian.

**Unit II :**

**30 periods**

Contribution of modern Geographers.

- i) British – Halford John Mackinder, Sir Dudley Stamp.
- ii) German – Alexander von Humbolt, Carl Ritter.
- iii) French – Vidal-de-la-Blache, Jean Brunhes.
- iv) American – W.M. Davis, Richard Hartshorne.

**Unit III :**

**30 periods**

Major concepts in geography

- i) Determinism, possibilism, Neodeterminism.
- ii) Concept of Region.
- iii) Concept of Spatial organization.

**Unit IV :**

**20 periods**

Approaches in Geography

1. Systematic Approach
2. Regional Approach
3. System Approach
4. Quantitative Approach
5. Behavioural Approach
6. Radical Approach

**Unit V :**

**20 periods**

Models in Geography – Significance, need, features and general classification of models.

**Suggested Reading :**

- 1) Adhikari Sudepta : Fundamentals of Geographic Thought – Chaitanya  
Publishing House, Allahabad. (1972)
- 2) Dickinson, R.E. : The Makers of Modern Geography.  
Routledge & Keganpaul, London. (1969)
- 3) Dixit, R.D. (1999) : Development of Geographic Thought Longmans  
India limited. 1999.
- 4) Free Man, T.W. : Geography as Social Science, Harper International  
Edition, Harper & Row Publishers, New York. (1965)

**Other Reading :-**

- 1- f"kn\$ , l - ch %vk/kqud Hkksy/kpk fodkl
- 2- oGki j dj] ch-tt %Hkkskfyd fopkj/kkjpk fodkl
- dudij} ds ch %
- jkBkM] , p- ch %
- mxkM\$ f0g- vkj-

**B. A. Third Year**

**Subject : Geography**

## **Practicals in Geography**

### **Projections and statistical Methods**

#### **Practical Paper I**

##### **Objectives :**

The objectives of this course are to train the students in the art of representing demographic and socio-economic database of any area through simple statistical techniques. The techniques of surveying and map projections are necessary for accurate geographical positioning and preparing physical plans of an area.

Fieldwork is useful to provide the students with the understanding of ground reality of chosen village/part of town by observation and with the help of a specially prepared questionnaire.

#### **First Term**

##### **Unit I :**

**Total Periods : 90**

Projection : Definition, classification and construction (By Graphical method only), properties and use of the following projections.

- i) Zenithal Polar Gnomonic projection.
- ii) Zenithal Polar Equal area projection.
- iii) Conical Projection with one standard parallel.
- iv) Bonne's Projection.
- v) Cylindrical Equal area projection.
- vi) Marcator's projection.

## **Second Term**

### **Unit II :**

Statistical Methods :

- a) Measurement of central tendencies – Mean, Median and Mode in simple, discrete and continuous series.
- b) Measurement of deviations – Quartile Mean and standard deviation and their co-efficients, in simple, discrete and continuous series.

### **Unit III :**

Journal and Viva –voce.

## **Surveying, Computer and Fieldwork**

### **Practical Paper II**

#### **First Term**

### **Unit I :**

**Total periods : 90**

### **Surveying :**

- 1) Chain –tape survey – open and close traverse.
- 2) Plane table survey – intersection method – open and close traverse.
- 3) Prismatic compass survey traverse. Bowditch method with correction of bearing. Conversion of bearing: Whole circle bearing to quadrantal bearing & Vice versa.

#### **Second Term**

### **Unit II :**

Anatomy and Application of computer in Geography.

### **Unit III :**

Excursion or village survey report or part of city/ town survey report.

#### **Unit IV :**

Journal and Viva – voce.

#### **Suggested Reading :**

- 1) Singh and Singh : Mapwork and Practical Geography.
- 2) Singh.L. & Dutt. P.K : Elements of Practical Geography – Kalyani Publishers New Delhi 1979.
- 3) Hammod & Mc Gullah : Quantitative Techniques in Geography.
- 4) Croxton & Cowden : Applied General statistics.
- 5) Sarkar, A : Pratical Geography – A Systematic Approach – Orient Longman Culcatta 1997.
- 6) Khan, Z.A. : Text book of Practical Geography – Concept new New Delhi – 1998
- 7) Lawarence, G.R.P. : Cartographic Methods Methuen London, 1968.
- 8) Monkhouse, F.J. & Wilkinson, H.R. : Maps and Diagrams – Methuen, London 1994.
- 9) Robinson, A.H. : Elements of Cartography – John Wiley and Sons U.S.A. 1995.
- 10) Archer, J.E. & Daltan, T.H. : The Fieldwork in Geography - Batsford Limited London, 1968
- 11) Steers, J.A. : Maps Projections – University of London Press London.

**B. A. Third Year**

**Subject : Geography**

**Practicals in Geography**

**Projections and Statistical Methods**

Scheme of marking & Pattern of Question paper for

**Practical Paper I**

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	Time : 3 Hours	Practical I	Total Marks 40
Q1.	a) Properties and use of anyone projection		4
	b) Construction of (any one) projection.		6
	c) construction of (any one) projection.		6
Q2.	a) Measurement of central tendency (any one)		4
	b) Measurement of Deviation and its co-efficient (any one)		6
	c) Measurement of Deviation and its co-efficient (any one)		6
Q3.	Journal and Viva-voce		8

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**Surveying , Computer and Fieldwork**

**Practical Paper II**

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	Time : 3 Hours	Practical II	Total Marks 40
Q1.	a) Any one Survey		12
	b) Bowditch's Method with correction of bearing		6
	c) Conversion of bearing		2
Q2.	Anatomy and application of computer in geography		4
Q3.	Excursion or village /part of town/part of City Report		8
Q4.	Journal & Viva-voce		8

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