

# **GUJARAT UNIVERSITY**

## **GEOGRAPHY SYLLABUS**

**B.A. SEM (V) AND (VI) (IN FORCE FROM JUNE 2013)**

### **B.A.SEM.V**

- PAPER :- 301 ECONOMIC GEOGRAPHY**
- PAPER :- 302 ENVIRONMENTAL GEOGRAPHY**
- PAPER :- 303 CULTURAL GEOGRAPHY**
- PAPER :- 304 AGRICULTURAL GEOGRAPHY**
- PAPER :- 305 CARTOGRAPHY PART – 3**

### **B.A. SEM-VI**

- PAPER :- 311 RESOURCE GEOGRAPHY**
- PAPER :- 312 POLITICAL GEOGRAPHY**
- PAPER :- 313 TOURISM GEOGRAPHY**
- PAPER :- 314 RURAL SETTLEMENT GEOGRAPHY**
- PAPER :- 315 CARTOGRAPHY PART – 4**

# **B.A.SEM. (V)**

## **PAPER NO - 301 ECONOMIC GEOGRAPHY**

### **Course Contents**

- Unit – I** Definition, nature, scope and recent trends of economic geography , Its relation with economics and allied subjects. Classification of economies.
- Unit – II** Sectors of Economic Activities, Concept of Primary, Secondary, Tertiary, Quaternary, Quinary Activities
- Primary activities (1) Fishing, Forest gathering and cattle herding.  
(2) Agriculture – Types – Subsistence, Intensive , commercial, Mixed farming.  
(3) Mining activities
  - Secondary activities Definition and meaning of manufacturing – factors affecting its localization.
  - Tertiary activities Definition salient Feature of transportation as a factor of regional connectivity.
- The impact of economic activities on environment.
- Unit – III** Socio – Economic base of the economic activities labour and capital as factors of production.
- (a) Man as a producer and consumer – Meaning and types of labour.
  - (b) Population – world distribution and density of population.
  - (c) Capital as a factor of production – Definition and types of capital – Visible and invisible capital – Mobile and Fixes capital.
- Unit – IV** Trade and transport : Geographical factors in their development, major water, land air transport routes, internal and international trade.

### **Suggested Readings :**

1. Boesch, H. : A Geography of World Economy, D. Van Nostrand Co., New York, 1964.
2. Chapman, J.D. : Geography and Energy, Longman, London, 1989.
3. Gregor, H.F. : Geography of Agriculture, Prentice Hall, New Jersey, 1970.
4. Griggs, D.B. : The Agricultural Systems of the World, Cambridge University Press. New York, 1974.
5. Hartshorne, T.N. And Alexander, J.W. Economic Geography, Prentice Hall, New York, 1962.
6. Jones, C.F. And Darkenwald, C.G. : Economic Geography, McMillan Co., New York, 1975.
7. Millar, E. : Geography of Manufacturing, Prentice Hall, New York, 1962.
8. Raza , M. and Agrawal, Y. : Transport Geography of India, Concept, New Delhi, 1986.
9. Smith, D.M. : Industrial Location. – An Economic Geographical Analysis, John Wiley, New York, 1971.
10. Thomas, R.S. : The Geography of Economic Activities, McGraw Hill, New York, 1962.

# **B.A.SEM. (V)**

## **PAPER NO -302 ENVIRONMENTAL GEOGRAPHY**

### **Course Contents**

**Unit – I** Nature and scope of Environmental geography.

- Distinction among Environment, Ecology and Geography.
- Component of environment.

**Unit – II** Classification of environment: Natural and Human.

- Man – Environment inter relations with respect to population size, types of economy and technology.
- Exploitation of natural resources and environmental hazards.
- Human impact on the natural environment.

**Unit – III** Environmental degradation: Origin, causes, characteristics, types, distribution and consequences – Air, Water, Land and Noise pollution.

**Unit – IV** Emerging environmental issues – population explosion, food scarcity, deforestation, global warming, conservation of biodiversity, sustainable development.

- Environmental problems and planning in India.

### **Suggested Readings :**

1. Agrawal, A. et. al : The Citizens Fifth Report, Centre for Science and Environment, New Delhi, 1999
2. Saxena, H.M. Environmental Geography, Rawat publication, Jaipur, 1999
3. Reid, D. Sustainable Development, Earthscan Publication, London, 1995
4. Sharma, H.S. : Ravine Erosion in India, Concept Publishing Company, New Delhi, 1980.
5. Sharma, H.S. and Chattopadhyay, S.K. : Sustainable Development : concepts and Issues, Concept, publication New Delhi, 2000.
6. Allen, J.L. : Student's Atlas of Environmental Issues, Dushkin Publication, 1997.
7. Brown, L.R. : In the Human Interest, East – West Press, New Delhi, 1976.
8. Cuttar, L., Renwick, H.L. : Exploitation, Conservation and Preservation Geography Perspective and Natural Resources Use, Rowman and Allanheld, N.J. 1982.
9. Hagget, P. : Geography – A Modern Synthesis, Harper and Row Publishers, New York, 1975.
10. Simmons, I.G. : The Ecology of Natural resources, Edward Arnold, London, 1974.
11. Global Environment Outlook – Earth Scan, London, 2000.
12. UNESCO – Use and Conservation of the Biosphere, Paris, 1970.

## **B.A.SEM. (V)**

### **PAPER NO -303 CULTURAL GEOGRAPHY**

#### **Course Contents**

- Unit-I** Introduction: Nature and scope of Cultural Geography.  
Cultural elements and components of culture.  
Convergence and divergence processes.
- Unit-II** Cultural diversity: Base of cultural diversity – Race, religion and language.  
Cultural diversity in the world.  
Cultural diversity and regionalization in India.
- Unit – III** Patterns of livelihood.  
Various economic activities and cultural adaptations – Agriculture, Industrialization and modernization.  
Technological changes and their geographic implications.
- Unit – IV** Human settlements.  
Relation to Ideology.  
Social structure and technology.  
Pattern of Rural and Urban society.  
Social process in the city.  
The city in the developing countries.

#### **Suggested Readings :**

1. Broek, J.C. and Webb, J.W. A Geography of Mankind, McGraw Hill, New York, 1978.
2. Crang Mike : Cultural Geography, Routledge Publications, London, 1998.
3. Harmandorf : Tribes of India The struggle for Survival, Oxford University Press. Delhi 1989.
4. Hazia (Ed.) : Dimensions in Human Geography : Rawat Publications, Jaipur, 1997.
5. Hutchinson and Smith, D : Ethnicity, Oxford University Press, Oxford, 1996.
6. Jordon and Lester, G. : The Human Mosaic, Harper and Row, New York, 1979.
7. Massey, D. and Jess, P. : a Place in the World : Places Cultures and Globalization. Oxford University Press, New York, 1995.
8. Massey et.al. (ed.) : Human geography Today, Polity Press, Cambridge, 1999.
9. Mukherjee, A.B. and Aijazuddin, A. : India : culture, Society and Economy, Inter-India Publication, New Delhi, 1985.
10. Steve, P. & Michael, K. (ed.) : Places and the Politics of Industry, Routledge, London, 1993.
11. Schwartzberg, J.E. : Historical Atlas of South Asia, University of Chicago, 1978.
12. Singh, A. K. : Approaches to Tribal Development, Swarup and Sona, New Delhi, 1994.
13. Sopher, D.E. : Exploration of India : A geographical Perspectives on Society and Culture, Longman, London, 1980.

## **B.A.SEM. (V)**

### **PAPER NO -304 AGRICULTURAL GEOGRAPHY**

#### **Course Contents**

- Unit – I** Nature, scope and significance of agricultural geography. Approaches to the study of agricultural geography – commodity, environmental. Systematic and regional. Determinants of agricultural land-use. Physical. Social, economic and cultural.
- Unit – II** Cropping patterns : Factors influencing cropping patterns,
- Unit – III** Agricultural regionalization Concept, criteria, Agricultural regions of India and their characteristics.
- Unit – IV** Indian Agriculture : Problems and prospects – Agricultural dynamics – green Resolution – Agriculture in Gujarat. Spatial dimensions crop regions and cropping patterns.

#### **Suggested Readings :**

1. Alexander, J.W. Economic Geography, Prentice Hall, Inc. Englewood Cliffs, N.J. Latest edition.
2. Gregor. H.F. Geography of Agriculture – Themes in Research,, Prentice Hall Inc. London, 1970.
3. Grigg. D.B. : Agricultural Systems in the World : An Evolutionary Approach. Cambridge University Press, Cambridge, 1978.
4. Hussain. M. Agricultural Geography, Inter-India Publication, New Delhi, 1979.
5. Morgan, W.B. and Munton, R.J.C., Agricultural Geography, Methuen, London 1971.
6. Singh, J And Dhillon, S.S. : Agricultural Geography, Tata McGraw Hill Publishing Co., Limited, New Delhi, 1984.
7. Symons, L. : Agricultural Geography, G. Bell & Sons, London, 1964.
8. Tewari, P.S. (Ed.) : Contributions to Agricultural Geography, Heritage, Delhi, 1986.
9. Whittlesey, Derwent, S : “Major Agricultural Regions of the Earth”, Annals of the Association of American Geographers, Vol.26, 1936.

## **B.A.SEM. (V)**

### **PAPER NO -305 CARTOGRAPHY PART – 3**

#### **Course Contents**

- Unit-I** Study of survey of India – Topographical maps, Classification and Scale.
- Interpretation of Survey of India( SOI) Toposheets (any two)
- Unit – II** Types of cartographic symbols and their uses:– Point, Line, Area- line graphs,
- Simple bar graph and Compound bar graph.
  - Dots, Choro -pleth, Proportional Circles, Squares, sphere, divided circle. Their merits and demerits and comparative study. (One exercise of each)
  - Use of symbols, letters and shades, use and importance of qualitative and quantitative maps.
- Unit – III** Basic principles of Surveying.
- Importance of surveying in geography.
  - Plane table survey, Chain survey and Prismatic compass survey – Only Theory.
- Unit – IV** Aerial photographs and Remote Sensing.
- Computer cartography and Geographical Information System.

#### **Note:**

1. Paper -305 on Cartography-3 is both a Theory & a Practical paper. This paper will have 30 marks internal and 70 marks external examination with 30 marks written (Theory related) and 40 marks practical examination including journal assessment (10marks) and viva-voce examination (05 marks)
2. Each one of the four units mentioned in syllabus has theoretical component and related practical sections.
3. Teaching workload should be of 3 lecture periods (55 minutes) per week for theory part and 3 practical periods (laboratory work) per week with each having the duration of 90 minutes. A Number of students in a batch for practical examination shall not be more than 15 under normal circumstances.
4. Students are required to keep a record of practical work in journal form, duly signed by the teacher-in-charge on all exercises and certified by Head of the department and Principal of the college.
5. Candidates who have not completed their journal work shall not be allowed to appear in the practical examination.
6. Separate passing in practical examination is necessary. Students have to obtain a minimum of 15 out of 40 marks of practical examination and 10 out of 30 marks related theory examination.

### **Suggested Readings:**

1. Agarwal, C.S. and Garg, P.K. Remote sensing, A.H. Wheeler and co. Ltd. New Delhi. 2000
2. Bygott, B: Map work and Practical Geography, University tutorial press, London, 1969
3. Campbell, James, B. Introduction to remote sensing, 4<sup>th</sup> ed. Taylor & Francis, London . 2003
4. Dalal, V.G.: Prayogik Bhoogol-1 & 2. University Granth Nirman Board , Ahmedabad
5. Dickinson, G.C. Maps and air photographs , Arnolds, London, 1970
6. Dikshit, N.G. : Naksha Shatra, University Granthnirman Board , Ahmedabad
7. Heywood Ian, (.ed. al). An introduction to geographical information systems, Pearson education (singapore) Pvt. Ltd. Delhi. 2003
8. Ishtiaq, M.C : A text book of Practical Geography, Heritage Publishers, New Delhi,
9. Lo C-P, Albert, K.W. Yeung Concepts and Techniques of geographical information Systems, Prentice Hall of India Pvt. Ltd, New Delhi. 2004
10. Mishra R. P. and Ramesh, A. Fundamentals of Cartography, Concept, New Delhi. 1989
11. Raisz, Erwin.: Principles of Cartography, McGraw-Hill Book, New York, C 1989
12. Robinson, A.H. and others: Elements of Cartography, John Willey and Sons, New York.
13. Shah. Urmila, P. Reporting Research-Papers on research methodology, Rachana prakasan, Ahmedabad, 1977
14. Sharma, J. P. Prayogik bhoogol , Rashtogi Prakashan , Meerut
15. Singh, R. L. and Dutt, P. K. : Elements of Practical Geography, Kalyani Publishing Co. , New Delhi, 1989

## **B.A.SEM. (VI)**

### **PAPER :- 311 RESOURCE GEOGRAPHY**

#### **Course Contents**

- Unit-I** Nature and Scope of Resource Geography, Approaches of the Study of Geography of Resources, Classification of Resources,
- Unit – II** Soil Resources:- Importance of Soil, Origin of soil ,soil profile, classification of soils, utilization of various type of soil and land use ,soil conservation.
- Unit – III** water resources : inland water resources utilization by man, oceanic water resources and its main characteristics utilization of oceans for man.
- Unit – IV** Mineral resources: Meaning and types of mineral resources, non- metallic minerals iron, manganese, chromium ,copper, aluminum ,and Bauxite . Metallic minerals salt, mica, sulpher, Gypsum

#### **Suggested readings.**

1. Allen,s.w. and leonard j. w., conserving natural resources, Mc graw Hill. 1966
2. Finch V.C., Trewartha G.T., Shearer M.H., TheEarth and its resources., 1959
3. Kunker, H.L., Zimmermens Introduction to world Resources, Harper Row. 1964
4. Jaekson, N. and Penn, P. Dictionary of Natural Resources and other principal uses. N.Y. 1966
5. Skinher, B.J., Earth Resources. 1969
6. Smith G.H. Conservation of Natural Resources N.Y. 1965,
7. Spengler, J.J., Natural Resources and Economic growth, U.S.A. 1961
8. Zimmermens, W.E., World Resources and Industries Harper & Row. 1951



# **B.A.SEM. (VI)**

## **PAPER NO -312 POLITICAL GEOGRAPHY**

### **Course Contents**

**Unit – I** Nature, scope and subject matter of Political Geography.

- Political geography and Geopolitics.
- Approaches to the study of political geography.

**Unit – II** Role of physical demographic, economic, socio-cultural and historical factors in the emergence of states.

**Unit – III** State as a politico – territorial phenomenon:

- Changing nature of location, size and shape in political geography of states;
- Boundaries and frontiers.
- Functions and classification of International boundaries.

**Unit – IV** Global strategic views of Mackinder, Spykman, Ratzeal and Mahan and their relevance to contemporary world situation.

- Geo political dimension of environment.

### **Suggested readings.**

1. Adhikari Sudepta: Political Geography, Rawat Publications, Jaipur, 1999.
2. Dikshit, R.D.: Political Geography :A Contemporary Perspective, Tata McGraw Hill Publication, New Delhi. 1982.
3. Pounds, N.T. Political Geography, Methuen & Co. London, 1972.
4. Short, J.R.: An Introduction to Political Geography, Roulledge and Kegan Paul, London, 1982.
5. Taylor, P.J.(Ed) Political Geography of the 20<sup>th</sup> Century- A Global Analysis, New York, 1993.
6. Taylor, Peter: Political Geography, Longman, London, 1985

## **B.A.SEM. (VI)**

### **PAPER:-313 TOURISM GEOGRAPHY**

#### **Course Contents**

- Unit – I** Basic of tourism; Definition of tourism, Factors influencing tourism ; historical, natural, socio cultural and economics; motivating factors for pilgrimages; leisure, recreation, elements of tourism, tourism as an industry.
- Unit – II** Geography of tourism: its spatial affinity; areal and locational dimensions comprising physical, cultural, historical and economic; tourism types; cultural, eco-ethno-coastal and adventure tourism.
- Unit – III** Indian tourism: regional dimensions of tourism attraction; evolution of tourism; promotion of tourism-prospects of tourism in Gujarat. Heritage tourism and eco - tourism in Gujarat.
- Unit – IV** Impact of tourism: Physical, economic and social and perceptual, positive and negative impacts; Environmental laws and tourism.

#### **Suggested readings.**

1. Bhatia,A.K. Tourism Development :Principles and Practices, Sterling Publishers, New Delhi,1996.
2. Chandra,R.H. Hill Tourism: Planning and Development, Kanishka Publishers, New Delhi,1998.
3. Hunter C and Green H: Tourism and the Environment: A Sustainable Relationship, Routledge, London, 1995.
4. Milton,D: Geography of world Tourism, Prentice Hall , New York ,1993.
5. Pearce,D.G: Tourism To-day: A Geographical Analysis,Harlow,Longman,1987.
6. Robinsion H. A.: Geography of Tourism, Macdonald and Evans,London,1996.
7. Sharma J. K.(Ed) Tourism Planning and Development- A New Perspective, Kanishka Publishers, New Delhi,2000
8. Shaw G and Williams ,A.M. Critical Issues in Tourism- A Geographical Perspective, Oxford, Blackwell,1994.
9. Sinha,P.C.(Ed) Tourism Impact Assessment, Anmol Publishers, New Delhi, 1998.
10. Williams Stephen: Tourism Geography, Rout ledge, Contemporary Human Geography,London,1998.

## **B.A.SEM. (VI)**

### **PAPER NO -314 RURAL SETTLEMENT GEOGRAPHY**

#### **Course Contents**

- Unit – I** Settlements Geography: Nature, Scope, relevance and development of settlements geography. Approaches to Rural settlements geography. Concept of Settlements Geography, Settlement: meaning, origin and types.
- Unit – II** Types of rural settlements: Dispersed and Agglomerated , World Distribution of Village, Rural Morphology, General Morphology of An Indian Villages.
- Unit – III** Size and spacing of rural settlements: size of rural settlements , village size in India, Concept of spacing of rural settlements, spacing of settlements in India.
- Unit – IV** Cultural elements of rural settlements in different geographical environments with reference to India and Gujarat. House types , origin of Indian villages. Rural Problems and planning in India.

#### **Suggested readings.**

1. Alam, S.M.: Settlement System of India, Oxford and IBH Publication Co. New Delhi.1982.
2. Chisholm, M: Rural Settlement and Land-use, John Wiley, New York,1967.
3. Grover, N: Rural Settlement-A Cultural Geographical Analysis, Inter-India Publication,Delhi.1985
4. Rao. E. N.: Strategy for Integrated Rural Development, B.R. Publication Cor.Delhi.1986.
5. Mitra,A.: Report on House Type and Village Settlement Patterns in India, Publication Division, Government of India, Delhi,1960.
6. Srinivas, M. N.: Village india, Asian Publication House, Bombay,1968.
7. Wanmali, S.: Service Centres in Rural India, B.R. Publication Cor.Delhi.1983.

## **B.A.SEM. (VI)**

### **PAPER NO -315 CARTOGRAPHY PART – 4**

#### **Course Contents**

- Unit – I** Map projection theory: Scale and projection, classification and choice of map projection, properties, merits and demerits and use of map projections.
- Projections suitable for maps of India.
- Unit – II** Projection drawing work: Zenithal Polar Gnomonic
- Zenithal Stereographic
  - Zenithal Polar Orthographic
  - Cylindrical Equal Area Projection
  - Conical Projection with One-standard Parallel
- Unit – III** Field trip: Geographical tour or Village survey.
- Unit- IV** Field report – to be included in the Journal along with data, graphs, diagrams, maps and photographs.

#### **Note:**

1. Paper 315 on Cartography-4 is both a Theory & a Practical paper. This paper will have 30 marks internal and 70 marks external examination with 30 marks written (Theory related) and 40 marks practical examination including journal assessment (10 marks) and viva-voce examination (05 marks)
2. Each one of the four units mentioned in syllabus has theoretical component and related practical sections.
3. Teaching workload should be of 3 lecture periods (55 minutes) per week for theory part and 3 practical periods (laboratory work) per week with each having the duration of 90 minutes.
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1. Bygott, B: Map work and Practical Geography, University tutorial press, London, 1969
2. Dalal, V.G.: Prayogik Bhoogol-1 & 2. University Granth Nirman Board , Ahmedabad
3. Dikshit, N.G. : Naksha Shatra, University Granth Nirman Board , Ahmedabad
4. Ishtiaq, M. C. : A text book of Practical Geography, Heritage Publishers, New Delhi,
5. Raisz, Erwin.: Principles of Cartography, McGraw-Hill Book, New York, C 1989
6. Shah.Urmila, P. Reporting Research-Papers on research methodology, Rachana prakasan, Ahmedabad ,1977
7. Singh, R.L. and Dutt, P. K. : Elements of Practical Geography, Kalyani Publishing Co. , New Delhi, 1989