

Total No. of Questions :8]

SEAT No. :

**P2351**

**[4831] -101**

[Total No. of Pages : 2

**M.A./M.Sc. (Semester-I)**

**GEOGRAPHY**

**Gg-101: Principles of Geomorphology  
(2013 Pattern) (Credit System)**

*Time : 3 Hours]*

*[Max. Marks : 50*

*Instructions to the candidates:*

- 1) *Attempt any three questions from the question Numbers 1 to 5.*
- 2) *Attempt any two questions from the question Numbers 6 to 8.*
- 3) *Draw figures/maps wherever necessary.*
- 4) *Use of map stencils and calculator is allowed.*

- Q1)** a) Write a note on nature of geomorphology [4]  
b) What is uniformitarianism? [4]  
c) What is cyclic scale in geomorphology? [2]
- Q2)** a) Explain density and temperature as a source of knowledge of the interior of the earth. [4]  
b) Define different types of folds with suitable diagrams. [4]  
c) Define endogenic forces. [2]
- Q3)** a) Give the views of Airy and Pratt in the theory of isostasy. [4]  
b) Give the fundamental assumptions of Wegener's continental drift theory. [4]  
c) Name the plate boundaries. [2]
- Q4)** a) Explain Physical weathering in short. [4]  
b) Write a short note on Davison cycle of river erosion. [4]  
c) Name the erosional landforms of the river [2]

**P.T.O.**

- Q5)** a) Give different types of glaciers. [4]  
b) Explain any two erosional landforms of glaciers [4]  
c) What is a glacier? [2]
- Q6)** a) Write a note on work of water in desert. [5]  
b) Give the mechanism of erosion by the wind in arid region. [5]
- Q7)** a) Write a note on mechanism of deposition by sea waves. [5]  
b) Give different erosional landforms produced by sea waves. [5]
- Q8)** a) Explain different elements of slope profile. [5]  
b) Explain in short parallel retreat of slopes. [5]



Total No. of Questions : 8]

**P2352**

SEAT No. :

[Total No. of Pages : 2

**[4831] - 102**

**M.A./M.Sc. (Semester - I)**

**GEOGRAPHY**

**Gg - 102 : Principles of Climatology**

**(2013 Pattern) (Credit System)**

*Time : 3 Hours]*

*[Max. Marks : 50*

*Instructions to the candidates:*

- 1) *Attempt any three questions from Q. 1 to Q. 5.*
- 2) *Attempt any two questions from Q. 6 to Q. 8.*
- 3) *Figures to right indicate marks.*
- 4) *Use of map stencils and calculator is allowed.*

- Q1)** a) Write in brief on any one Subdivision of Climatology. [4]  
b) Mention Physical properties of the atmosphere. [4]  
c) What is lapse rate? [2]
- Q2)** a) Describe types of Inversion of temperature. [4]  
b) Explain Horizontal distribution of temperature. [4]  
c) What is Albedo? [2]
- Q3)** a) Discuss Factors affecting wind. [4]  
b) Explain Local winds. [4]  
c) Comment on measurement of wind. [2]
- Q4)** a) Explain factors affecting condensation. [4]  
b) Describe the state of absolute instability. [4]  
c) What is adiabatic lapse rate? [2]
- Q5)** a) Classify air masses. [4]  
b) Explain Long range forecasting. [4]  
c) What is a front? [2]

**P.T.O.**

- Q6)** a) Explain composition of atmosphere. [5]  
b) Describe Ionosphere and Aurora. [5]
- Q7)** a) Explain factors affecting insolation. [5]  
b) Elaborate effects of atmosphere on insolation. [5]
- Q8)** a) Give an account of observed distribution of surface pressure. [5]  
b) Explain any one method of weather forecasting. [5]



Total No. of Questions : 8]

**P2353**

SEAT No. :

[Total No. of Pages : 2

**[4831] - 103**

**M.A./M.Sc. (Semester - I)**

**GEOGRAPHY**

**Gg - 103 : Principles of Economic Geography**

**(Credit System)**

*Time : 3 Hours]*

*[Max. Marks : 50*

*Instructions to the candidates:*

- 1) *Attempt any three questions from Question nos. from 1 to 5.*
- 2) *Attempt any two questions from Question nos. from 6 to 8.*
- 3) *Figures to the right indicate marks.*
- 4) *Use of map stencils and calculator is allowed.*

- Q1)** a) What is economic geography? [2]  
b) Describe the scope of economic geography. [4]  
c) Explain the recent trends in economic geography. [4]
- Q2)** a) Enlist the factors of production. [2]  
b) Explain how the variations in demand affects production. [4]  
c) Describe the external economies of scale. [4]
- Q3)** a) What is economic landscape? [2]  
b) Describe the characteristics of homestead economy. [4]  
c) Describe the Weber's Model of industrial location. [4]
- Q4)** a) What do you mean by international trade? [2]  
b) Explain the structure of international trade? [4]  
c) Describe Ricardo's Classical theory of international trade. [4]
- Q5)** a) What do you mean by economic development? [2]  
b) Explain the influence of cultural factors on regional disparities in economic development in India. [4]  
c) Discuss the effects of privatisation on economic development in India. [4]

**P.T.O.**

- Q6)** a) Describe various types of hypothesis in economic geography. [5]  
b) Explain the importance of labour in different economic activities. [5]
- Q7)** a) Explain the significance of natural resources in economic development. [5]  
b) Describe the role of human resources in economic development. [5]
- Q8)** a) Explain the various measures of economic development. [5]  
b) Describe the Rostow's Model of economic development. [5]



Total No. of Questions : 8]

**P2354**

SEAT No. :

[Total No. of Pages : 2

**[4831] - 104**

**M.A./M.Sc. (Semester - I)**

**GEOGRAPHY**

**Gg. 104 : Principles of Population and Settlement Geography**

**(2013 Pattern) (Credit System)**

*Time : 3 Hours]*

*[Max. Marks : 50*

*Instructions to the candidates:*

- 1) *Attempt any three questions from question number 1 to 5.*
- 2) *Attempt any two questions from question number 6 to 8.*
- 3) *Figures to the right indicate marks.*
- 4) *Use of map stencils and calculator is allowed.*

- Q1)** a) Mention the approaches to the study of settlement geography. [2]  
b) Describe the approaches to the study of population geography. [4]  
c) Describe social factors influencing distribution of settlements. [4]
- Q2)** a) What is nearest neighbour analysis. [2]  
b) Explain the effect of technology on patterns of settlements. [4]  
c) Describe economic factors influencing dispersion of settlements. [4]
- Q3)** a) What is Range? [2]  
b) Explain the concept of centrality. [4]  
c) Explain the concept of rank size distribution. [4]
- Q4)** a) Mention the means of transportation and communication. [2]  
b) Describe the factors responsible for urban growth. [4]  
c) Describe the factors responsible for changes in industrial production. [4]
- Q5)** a) Enlist the physical factors influencing population distribution. [2]  
b) Describe social factors influencing population distribution. [4]  
c) Describe economic factors influencing population distribution. [4]

**P.T.O.**

- Q6)** a) Describe Demographic Transition model. [5]  
b) Discuss relevance of Demographic transition model. [5]
- Q7)** a) Explain any two aspects of population resource. [5]  
b) Explain age composition of population as a resource. [5]
- Q8)** a) Describe Christaller's Model. [5]  
b) Describe factors influencing the nucleation of settlements. [5]





Total No. of Questions : 6]

SEAT No. :

**P2355**

[Total No. of Pages : 2

**[4831] - 201**

**M.A./M.Sc. (Semester - II)**

**GEOGRAPHY**

**Gg - 201 : Quantitative Techniques in Geography**

**(2013 Pattern) (Credit System)**

*Time : 2.30 Hours]*

*[Max. Marks : 38*

*Instructions to the candidates:*

- 1) *Attempt any two questions from question No. 1 to 4.*
- 2) *Question No. 5 and 6 are compulsory.*
- 3) *Draw figures/maps wherever necessary.*
- 4) *Figures to the right indicate full marks.*
- 5) *Use of map stencil and calculator is allowed.*

**Q1) a) What is discrete data? [2]**

b) Calculate the mean for the following grouped data. [4]

Class	8-10	10-12	12-14	14-16	16-18	18-20
Frequency	2	4	1	1	2	2

c) Calculate the median for data given in Question 1 b). [4]

**Q2) a) Write a note on interval scale of measurement. [2]**

b) Calculate the skewness for the following ungrouped data. [4]

X	1	2	2	3	3	3	4	5	6	7
---	---	---	---	---	---	---	---	---	---	---

c) Calculate the kurtosis for the data given in Question 2 b). [4]

**Q3) a) What is mean? [2]**

b) Calculate 5-years moving average for the annual rainfall data of the Malegaon station of Nashik District. [4]

Year	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974
Rainfall in cm	61	71	28	41	47	35	40	20	69	42
Year	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
Rainfall in cm	76	63	44	45	64	54	30	59	56	45

c) Plot the rainfall data and 5-years moving average using the data from Q.3 b. [4]

**P.T.O.**

- Q4)** a) What is Binomial Probability Distribution? [2]  
 b) The following table provides the life test data of medical geography [4]  
 where X is data point index and Y is time-to-failure. Derive the exponential  
 regression equation for the data set.

X	1	2	3	4	5	6	7
Y	5	12	25	36	50	67	80

- c) Plot the scatter diagram and draw the regression line for the data set of  
 the Q.4 b. [4]

- Q5)** a) Write a note on concept of bivariate correlation and regression. [4]  
 b) Apply the Chi-square test for the following data of oranges from  
 agricultural farms. [5]

	Farms	
Production	A	B
Faulty	9	7
Non-faulty	57	65

- Q6)** a) What is unbiased random sample? [4]  
 b) it is observed that extreme floods of greater than 42500 m<sup>3</sup>/s magnitude  
 are experienced 4 times in 200 years. What is the probability that, in 10  
 years [5]  
 i) 1 extreme flood will occur.  
 ii) 2 extreme floods will occur.



Total No. of Questions : 6]

SEAT No. :

**P2356**

[Total No. of Pages : 1

[4831] - 202

M.A./M.Sc. (Semester - II)

**GEOGRAPHY**

**Gg - 210 : Coastal Geomorphology**

**(2013 Pattern) (Credit System)**

*Time : 2:30 Hours]*

*[Max. Marks : 38*

*Instructions to the candidates:*

- 1) *Attempt any two questions from Q.1 to Q.4*
- 2) *Question 5 and 6 are compulsory*
- 3) *Draw figures/Maps wherever necessary.*
- 4) *Figures to the right indicate full marks.*
- 5) *Use of map stencils and Calculator is allowed.*

- Q1)** a) What is coastal system? [2]  
b) Define breakers and explain the types of breakers. [4]  
c) What is wave refraction? [4]
- Q2)** a) What are shore normal currents? [2]  
b) Write a note on co-tidal lines? [4]  
c) Write a note on spring and neap tides. [4]
- Q3)** a) What is transgression of sea level? [2]  
b) Discuss the tides in bays and estuaries? [4]  
c) Write a note on abandoned cliffs and caves. [4]
- Q4)** a) Define clastic and biogenic sediments. [2]  
b) Write a note on formation and morphology of coastal deltas. [4]  
c) Write a note on mangrove swamps and salt marshes. [4]
- Q5)** a) Explain the estuarine hydrodynamics and mud flat morphology. [4]  
b) Write a note on sea cliffs and caves. [5]
- Q6)** a) Explain different pathways of coastal sediment transport. [4]  
b) Discuss salt intrusion and subsidence of coastal aquifers as a current coastal issue. [5]



Total No. of Questions : 6]

**P2357**

SEAT No. :

[Total No. of Pages : 1

**[4831] - 203**

**M.A./M.Sc. (Semester - II)**

**GEOGRAPHY**

**Gg - 211 : Synoptic Climatology  
(2013 Pattern) (Credit System)**

*Time : 2.30 Hours]*

*[Max. Marks : 38*

*Instructions to the candidates:*

- 1) *Attempt any two questions from question no.1 to 4.*
- 2) *Question no. 5 and 6 are compulsory.*
- 3) *Figure to the right indicate marks.*
- 4) *Use of map stencils is allowed.*

- Q1)** a) Explain the nature of synoptic climatology. [2]  
b) Explain the significance of synoptic approach in the study of synoptic climatology. [4]  
c) Explain the reporting system of weather data by India Meteorological Services. [4]
- Q2)** a) What do you mean by Meteorological Code? [2]  
b) Explain the formation of easterly waves. [4]  
c) Describe the stages of development of a thunderstorm. [4]
- Q3)** a) Describe the environmental impact of severe weather systems. [2]  
b) Explain the structure of tropical cyclone. [4]  
c) Write a note on western disturbances. [4]
- Q4)** a) What do you mean by frontogenesis? [2]  
b) Explain the fog formation process? [4]  
c) Explain the numerical method of weathering forecasting. [4]
- Q5)** a) Explain the theory of rain formation. [4]  
b) Discuss benefits of weather forecasting in disaster prevention. [5]
- Q6)** a) Give the methods of long range weather forecasting [4]  
b) Explain benefits of weather forecasting in modeling of pollutant distribution. [5]



Total No. of Questions : 6]

**P2358**

SEAT No. :

[Total No. of Pages : 1

[4831] - 204

**M.A./M.Sc. (Semester - II)**

**GEOGRAPHY**

**Gg - 212 : Agricultural Geography  
(2013 Pattern) (Credit System)**

*Time : 2½ Hours]*

*[Max. Marks : 38*

*Instructions to the candidates:*

- 1) *Attempt any two questions from question no. 1 to 4.*
- 2) *Question number 5 and 6 are compulsory.*
- 3) *Draw figures/maps wherever necessary.*
- 4) *Figures to the right indicate marks.*
- 5) *Use of the map stencils and calculator is allowed.*

- Q1)** a) Define agriculture. [2]  
b) Explain regional approach in brief. [4]  
c) Discuss the scope of agricultural geography. [4]
- Q2)** a) What do you mean by land holding. [2]  
b) Explain the importance of agriculture in the Indian economy. [4]  
c) "Soil is a basic element of agriculture" Discuss [4]
- Q3)** a) Define shifting cultivation. [2]  
b) Give an account of intensive subsistence farming. [4]  
c) Explain the problems of droughts in Maharashtra. [4]
- Q4)** a) What is agricultural regionalisation? [2]  
b) Explain the nature of agricultural geography. [4]  
c) Write a short note on Kendall's ranking coefficient. [4]
- Q5)** a) Explain in brief land classification in India. [4]  
b) Evaluate the Weaver's crop combination method. [5]
- Q6)** a) Describe the significance of irrigation in dry farming. [4]  
b) Explain with examples any one type of commercial agriculture. [5]



Total No. of Questions : 6]

SEAT No. :

**P2359**

[Total No. of Pages : 1

**[4831] - 205**

**M.A./M.Sc. (Semester - II)**

**GEOGRAPHY**

**Gg - 213 : Population Geography  
(2013 Pattern) (Credit System)**

*Time : 2.30 Hours]*

*[Max. Marks : 38*

*Instructions to the candidates:*

- 1) *Attempt any two questions from Question no.1 to 4*
- 2) *Question no. 5 and 6 are compulsory.*
- 3) *Draw figures/maps wherever necessary.*
- 4) *Figures to the right indicate full marks.*
- 5) *Use of map stencils and Calculator is allowed.*

- Q1)** a) Define migration. [2]  
b) Describe the approaches to the study of population geography. [4]  
c) Discuss the economical factors affecting distribution of world population. [4]
- Q2)** a) What is population projection? [2]  
b) Explain the relation of population geography with other disciplines. [4]  
c) Describe the fertility differentials with reference to economic status. [4]
- Q3)** a) What is foetal mortality? [2]  
b) Describe the Lees's theory of migration. [4]  
c) Discuss the physical factors affecting world population. [4]
- Q4)** a) Mention the areas of low fertility levels in the world. [2]  
b) Discuss the urban and rural composition of population. [4]  
c) Describe the recent mortality levels in the world. [4]
- Q5)** a) Discuss the causes of migration. [4]  
b) Critically examine the Malthus theory of population growth. [5]
- Q6)** a) Explain the importance of population projection in agricultural development. [4]  
b) Discuss the population policies of the world war II. [5]



Total No. of Questions : 6]

SEAT No. :

**P2360**

[Total No. of Pages : 1

[4831] - 206

M.A./M.Sc. (Semester - II)

**GEOGRAPHY**

**Gg - 220 : Fluvial Geomorphology**

**(2013 Pattern) (Credit System)**

*Time : 2.30 Hours]*

*[Max. Marks : 38*

*Instructions to the candidates:*

- 1) *Attempt any two questions from Question no.1 to 4*
- 2) *Question no. 5 and 6 are compulsory.*
- 3) *Draw figures/maps wherever necessary.*
- 4) *Figures to the right indicate full marks.*
- 5) *Use of map stencils and Calculator is allowed.*

- Q1)** a) Mention laws of allometric growth. [2]  
b) What do you understand by belt of no erosion'. [4]  
c) Explain how potholes are formed? [4]
- Q2)** a) What do you understand by anabranching channels. [2]  
b) Explain the concept of a Grade [4]  
c) Write a brief account of riparian vegetation. [4]
- Q3)** a) Explain short term adjustments of a river channel. [2]  
b) What is a meandering channel? [4]  
c) Describe various land forms of fluvial deposition. [4]
- Q4)** a) State types of fluvial erosion. [2]  
b) Explain the types of terraces. [4]  
c) Give a brief account of Channel types. [4]
- Q5)** a) Explain what is competence of river? [4]  
b) Explain downstream hydraulic geometry of a channel. [5]
- Q6)** a) Give an account of Glock's model of drainage development. [4]  
b) 'The drainage basin as a geomorphic unit' Discuss. [5]



Total No. of Questions : 6]

**P2361**

SEAT No. :

[Total No. of Pages : 1

[4831] - 207

**M.A./M.Sc. (Semester - III)**

**GEOGRAPHY**

**Gg - 221 : Monsoon Climatology**

**(2013 Pattern) (Credit System)**

*Time : 2:30 Hours]*

*[Max. Marks : 38*

*Instructions to the candidates:*

- 1) *Attempt any two questions from questions no. 1 to 4.*
- 2) *Questions 5 and 6 are compulsory.*
- 3) *Draw figures /maps wherever necessary.*
- 4) *Figures to the right indicate full marks.*
- 5) *Use of map stencils and calculator is allowed.*

- Q1)** a) What is the basis of Aerological concept of origin of monsoon? [2]  
b) Explain Fohn's concept of origin of monsoon. [4]  
c) Discuss the withdrawal of monsoon over India. [4]
- Q2)** a) What is heat low? [2]  
b) Describe the role played by monsoon trough in rainfall distribution. [4]  
c) Give an account of the temperature distribution at surface and aloft during monsoon. [4]
- Q3)** a) What is off-shore trough? [2]  
b) Write a note on "the role of monsoon depressions in rainfall distribution". [4]  
c) How does upper atmosphere affect monsoon? Elaborate. [4]
- Q4)** a) What is ENSO? [2]  
b) Discuss how ENSO influences Indian monsoon. [4]  
c) Discuss rainfall distribution during active and break monsoon situations. [4]
- Q5)** a) Compare the monsoons of South and East Asia. [4]  
b) Describe the effect of atmosphere's compressibility on the driving mechanism of monsoon. [5]
- Q6)** a) Explain the features of predictors used for monsoon forecasting. [4]  
b) Discuss onset of monsoon over different parts of India. [5]





Total No. of Questions : 6]

SEAT No. :

P2362

[Total No. of Pages : 2

**[4831]-208**  
**M.A/M.Sc. (Semester - II)**  
**GEOGRAPHY**  
**Gg. 222: Industrial Geography**  
**(Credit System) (2013 Pattern)**

*Time : 3 Hours]*

*[Max. Marks : 38*

*Instructions to the candidates:*

- 1) *Attempt any two questions from Q.1 to Q.4.*
- 2) *Question 5 and 6 are compulsory.*
- 3) *Draw figures/maps wherever necessary.*
- 4) *Figures to the right indicate full marks.*
- 5) *Use of map stencils and calculator is allowed.*

- Q1)** a) What do you mean by decentralization of industries? [2]  
b) Explain the effect of economic factors on industrial location. [4]  
c) Discuss the characteristics of industries. [4]
- Q2)** a) What is agglomeration? [2]  
b) Explain the concept of Greenhut's model. [4]  
c) Discuss the industrial linkages. [4]
- Q3)** a) What is a chemical industry? [2]  
b) Discuss the changing pattern and distribution of cotton textile industry. [4]  
c) Give the distribution of automobile industry. [4]
- Q4)** a) Give the names of industrial regions in Anglo America. [2]  
b) Discuss the problems of industrial regions in Japan. [4]  
c) Explain the problems and prospects of IT industry in India. [4]

*P.T.O.*

- Q5)** a) Discuss the scope of industrial geography. [4]  
b) Explain how the manufacturing and regional economics are related to each other. [5]
- Q6)** a) Describe the characteristics of any two industrial regions of India. [4]  
b) Discuss the role of software industry in India. [5]



Total No. of Questions : 6]

SEAT No. :

P2363

[Total No. of Pages : 2

[4831]-209

M.A/M.Sc. (Semester - II)

GEOGRAPHY

Gg. 223: Geography of Rural Settlements  
(Credit System) (2013 Pattern)

*Time : 2.30 Hours]*

*[Max. Marks : 38*

*Instructions to the candidates:*

- 1) *Attempt any two questions from Q.1 to Q.4.*
- 2) *Question 5 and 6 are compulsory.*
- 3) *Draw figures/maps wherever necessary.*
- 4) *Figures to the right side indicate full marks.*
- 5) *Use of map stencils and calculator is allowed.*

- Q1)** a) Give various definitions of settlements? [2]  
b) Explain how the cultural and geographical aspects of settlements are affected in place names. [4]  
c) Discuss the methods of measuring degree of dispersion. [4]
- Q2)** a) What do you mean by situation of settlement? [2]  
b) Discuss the factors affecting intensity of rural landuse. [4]  
c) Describe Von Thunen's model of landuse [4]
- Q3)** a) What is a trading centre? [2]  
b) Discuss the social and cultural morphogenesis of settlements. [4]  
c) Explain the economic organization within villages. [4]
- Q4)** a) What do you mean by a primitive house type? [2]  
b) Discuss the social and economic factors affecting rural house types. [4]  
c) Explain the size and functional use of rural houses. [4]

*P.T.O.*

- Q5)** a) Explain the causes of migration in rural areas. [4]  
b) Discuss the Central place Theory. [5]
- Q6)** a) Discuss the modern forms of rural settlements. [4]  
b) Discuss rural development planning with reference to land use and transport. [5]



Total No. of Questions : 6]

SEAT No. :

**P2364**

[Total No. of Pages : 2

**[4831]-210**

**M.A/M.Sc. (Semester - II)**

**GEOGRAPHY**

**Gg. 204: Geography of Tourism  
(Credit System) (2013 Pattern)**

*Time : 2.30 Hours]*

*[Max. Marks : 38*

*Instructions to the candidates:*

- 1) *Attempt any two questions from Q.1 to Q.4.*
- 2) *Question 5 and 6 are compulsory.*
- 3) *Draw figures/maps wherever necessary.*
- 4) *Figures to the right indicate full marks.*
- 5) *Use of map stencils and calculator is allowed.*

- Q1)** a) Define tourism. [2]  
b) Explain the historical development of tourism. [4]  
c) Describe the role of travel agencies in tourism. [4]
- Q2)** a) What do you mean by recreation? [2]  
b) "Simla is the best attraction of tourists in India". Discuss. [4]  
c) Describe the recent changes in tourism [4]
- Q3)** a) Define 'Spa'. [2]  
b) Discuss the role of accomodation in tourist activity. [4]  
c) What are the natural attractions of tourist? [4]
- Q4)** a) Enlist any four coastal destinations of tourists in India. [2]  
b) Explain the impact of economic aspects on tourism. [4]  
c) "Religious places are prime destinations of tourists". Discuss. [4]

**P.T.O.**

- Q5)** a) Discuss any two tourist places in Maharashtra. [4]  
b) Explain the positive impact of tourism on economic aspects. [5]
- Q6)** a) Describe the types of tourism. [4]  
b) Explain with example historical tourist attractions in Maharashtra. [5]



Total No. of Questions : 6]

SEAT No. :

P2365

[Total No. of Pages : 2

[4831]-211

M.A/M.Sc. (Semester - II)

GEOGRAPHY

Gg. 205: Geography of Disaster Management  
(Credit System) (2013 Pattern)

*Time : 2½ Hours]*

*[Max. Marks : 38*

*Instructions to the candidates:*

- 1) *Attempt any two questions from Q.1 to Q.4.*
- 2) *Question 5 and 6 are compulsory.*
- 3) *Draw figures/maps wherever necessary.*
- 4) *Figures to the right side indicate full marks.*
- 5) *Use of map stencils and calculator is allowed.*

- Q1)** a) What do you mean by disaster? [2]  
b) Explain the concepts of vulnerability. [4]  
c) Explain the causes of earthquakes. [4]
- Q2)** a) What is tsunami? [2]  
b) Explain stampedes as a disaster. [4]  
c) Discuss the food poisoning as a man - made disaster. [4]
- Q3)** a) What do you mean by differential impact of disaster? [2]  
b) Explain the differential impacts with reference to gender and age. [4]  
c) Discuss the complex emergencies. [4]
- Q4)** a) What is disaster cycle? [2]  
b) Explain the factors of disaster management. [4]  
c) Discuss the role of police forces in man-made calamities. [4]

*P.T.O.*

- Q5)** a) Explain the role of IT in disaster preparedness. [4]  
b) Discuss the application and use of ICST for different disasters. [5]
- Q6)** a) Discuss the trends in global climate change. [4]  
b) Discuss the management issues of disasters in India. [5]





Total No. of Questions : 6]

SEAT No. :

P2366

[Total No. of Pages : 2

[4831]-212

M.A/M.Sc. (Semester - II)

GEOGRAPHY

Gg- 206: Geography of Energy Resources  
(Credit System) (2013 Pattern)

*Time : 2.30 Hours]*

*[Max. Marks : 38*

*Instructions to the candidates:*

- 1) *Attempt any two questions from Q.1 to Q.4.*
- 2) *Questions 5 and 6 are compulsory.*
- 3) *Draw figures/maps wherever necessary.*
- 4) *Figures to the right indicate full marks.*
- 5) *Use of map stencils and calculator is allowed.*

- Q1)** a) What are forms of energy resources? [2]  
b) Explain the institutional arrangements for planning of energy requirement in India. [4]  
c) Describe the agreements related to use of energy. [4]
- Q2)** a) Define renewable energy resources. [2]  
b) Describe the world pattern of oil production. [4]  
c) Describe the methods of identifying the energy requirement of a region. [4]
- Q3)** a) State the status of hydroelectricity production in India. [2]  
b) Describe policy model of planning of energy requirement in India. [4]  
c) Discuss the issues related to use of energy resources and environment. [4]
- Q4)** a) What do you mean by energy conservation? [2]  
b) Describe the pattern of energy consumption in the transport sector of India. [4]  
c) Explain energy management process in India. [4]

*P.T.O.*

- Q5)** a) Describe the consumption patterns of renewable energy resources. [4]  
b) Discuss the problems of energy conservation in India. [5]
- Q6)** a) What are the material based energy resources? Give examples. [4]  
b) Discuss the major global potential zones of energy conservation. [5]



Total No. of Questions : 6]

SEAT No. :

P2367

[Total No. of Pages : 2

**[4831]-214**  
**M.A/M.Sc. (Semester - IV)**  
**GEOGRAPHY**  
**Gg. 208: Geoinformatics - I**  
**(Credit System ) (2013 Pattern)**

*Time : 2.30 Hours]*

*[Max. Marks : 38*

*Instructions to the candidates:*

- 1) *Attempt any two questions from Q.1 to Q.4.*
- 2) *Question 5 and 6 are compulsory.*
- 3) *Draw figures/maps wherever necessary.*
- 4) *Figures to the right indicate full marks.*
- 5) *Use of map stencils and calculator is allowed.*

- Q1)** a) Define GIS. [2]  
b) Discuss potential of GIS [4]  
c) Discuss query and analysis as a GIS task [4]
- Q2)** a) Mention major database in GIS [2]  
b) What do you understand by spatial relationship? [4]  
c) What is nominal scale? Give examples [4]
- Q3)** a) Mention spatial data models in GIS. [2]  
b) Give a comparative overview of raster and vector data models [4]  
c) Discuss major advantages of DBMS. [4]
- Q4)** a) Mention implementational models as a data models in GIS [2]  
b) Explain the process of digitization in GIS [4]  
c) Write a note on 'error correction in the process of digitization. [4]

**P.T.O.**

- Q5)** a) Give a brief account of operations from algebraic theory. [4]  
b) Write a note on 'Importance of map algebra in data analysis' [5]
- Q6)** a) Explain focal grid operations in GIS giving suitable examples. [4]  
b) Give a brief account of spatial information theory. [5]



Total No. of Questions : 6]

SEAT No. :

P2368

[Total No. of Pages : 2

**[4831]-215**  
**M.A/M.Sc. (Semester - II)**  
**GEOGRAPHY**  
**Gg- 209: Geoinformatics - II**  
**(Credit System) (2013 Pattern)**

*Time : 2.30 Hours]*

*[Max. Marks : 38*

*Instructions to the candidates:*

- 1) *Attempt any two questions from Q.1 to Q.4.*
- 2) *Question 5 and 6 are compulsory.*
- 3) *Draw figures/maps wherever necessary.*
- 4) *Figures to the right indicate full marks.*
- 5) *Use of map stencils and calculator is allowed.*

- Q1)** a) What is remote sensing? [2]  
b) Give a brief account of historical perspective of Remote Sensing at International level. [4]  
c) What are secondary data sources in Geoinformatics? [4]
- Q2)** a) What is visible spectrum? [2]  
b) What are atmospheric windows? [4]  
c) What are overlaps in aerial photography? [4]
- Q3)** a) What do you understand by spectral signatures? [2]  
b) Discuss optical aspects of in aerial camera. [4]  
c) What is Across - Track and along Track scanning? [4]
- Q4)** a) What do you understand by chromatic aberrations? [2]  
b) Describe types of aerial cameras. [4]  
c) What do you understand by MSS? [4]

**P.T.O.**

- Q5)** a) Discuss special characteristics of TM. [4]  
b) Discuss air borne platforms in Remote Sensing. [5]
- Q6)** a) Give a brief account of digital data products as data products in Geoinformatics. [4]  
b) Explain the elements of visual interpretation of satellite image and an aerial photograph. [5]



Total No. of Questions : 6]

SEAT No. :

P2369

[Total No. of Pages : 2

[4831]-301

M.A./M.Sc. (Semester - III)

GEOGRAPHY

Gg. 301: Geography of India With Special Reference to  
Maharashtra

(Credit System) (2013 Pattern)

Time : 2½ Hours]

[Max. Marks : 38

Instructions to the candidates:

- 1) Attempt any two questions from Q.No.1 to Q.No.4.
- 2) Question No. 5 and 6 are compulsory.
- 3) Figures to the right indicate full marks.
- 4) Use of map stencils and calculator is allowed.

- Q1)** a) Define resource. [2]  
b) Explain the distribution of coal in India. [4]  
c) Describe utilization of power resources in Maharashtra. [4]
- Q2)** a) Mention various type of forest in India. [2]  
b) Describe the coastal lowlands and islands in India. [4]  
c) Discuss the east flowing rivers in India. [4]
- Q3)** a) Mention various types of coal. [2]  
b) Discuss the distributions of natural gas in India. [4]  
c) Describe the mineral resources in Maharashtra. [4]
- Q4)** a) List the major power projects in India. [2]  
b) Describe various seasons in Maharashtra. [4]  
c) Describe the drainage systems of Maharashtra. [4]

P.T.O.

- Q5)** a) Discuss the methods of soil conservation. [4]  
b) Describe the distribution and production of sugarcane in Maharashtra. [5]
- Q6)** a) Discuss the development of fertilizer industries in India. [4]  
b) Give an account of development of cotton industries in India. [5]





Total No. of Questions : 6]

SEAT No. :

P2370

[Total No. of Pages : 2

[4831]-302

M.A/M.Sc. (Semester - III)

GEOGRAPHY

Gg. 310: Tropical Geomorphology  
(Credit System) (2013 Pattern)

*Time : 2.30 Hours]*

*[Max. Marks : 38*

*Instructions to the candidates:*

- 1) *Attempt any two questions from Q.1 to Q.4.*
- 2) *Questions 5 and 6 are compulsory.*
- 3) *Figures to the right indicate full marks.*
- 4) *Use of map stencils and calculator is allowed.*

- Q1)** a) Mention any four clay minerals found in the tropics. [2]  
b) What do you understand by denudation? [4]  
c) Differentiate between mechanical and chemical denudation. [4]
- Q2)** a) Define etch plains. [2]  
b) Explain the process of slope wash. [4]  
c) Describe duricrust in the tropical environment. [4]
- Q3)** a) What is peneplain? [2]  
b) Write an account of development of deep weathering profiles in the granitic terrain. [4]  
c) Write a note on tropical coasts. [4]
- Q4)** a) What is pediplains? [2]  
b) What do you understand by planation surfaces? [4]  
c) Explain and describe double surfaces of planation. [4]

*P.T.O.*

- Q5)** a) Discuss nature of tropical terrain. [4]  
b) Discuss the factors affecting depth of weathering in the tropics. [5]
- Q6)** a) Give an account of domed and boulder inselbergs. [4]  
b) Give an account of classification of tropics. [5]



Total No. of Questions : 6]

SEAT No. :

P2371

[Total No. of Pages : 2

**[4831]-303**  
**M.A/M.Sc. (Semester - III)**  
**GEOGRAPHY**  
**Gg. 311: Applied Climatology**  
**(Credit System ) (2013 Pattern)**

*Time : 2.30 Hours]*

*[Max. Marks : 38*

*Instructions to the candidates:*

- 1) *Attempt any two questions from Q.No.1 to Q.No.4.*
- 2) *Question number 5 and 6 are compulsory.*
- 3) *Figures to the right indicate marks.*
- 4) *Use of map stencil and calculator is allowed.*

- Q1)** a) Define 'climate impact assessment'. [2]  
b) Discuss the scope of applied climatology. [4]  
c) Explain the radiation laws. [4]
- Q2)** a) What is humidity? [2]  
b) Discuss the evaporation and evapotranspiration. [4]  
c) Explain the empirical methods to estimate evapotranspiration. [4]
- Q3)** a) What are micro-meteorological changes. [2]  
b) Discuss the effect of climate on crops. [4]  
c) Discuss the effect of climate on Livestock. [4]
- Q4)** a) What is global environmental change (GEC)? [2]  
b) Discuss the influence of climate on human health. [4]  
c) Discuss the air pollution problem in urban areas. [4]

**P.T.O.**

- Q5)** a) Discuss the various climatic variables influencing commercial activities. **[4]**  
b) Describe the cooling towers. **[5]**
- Q6)** a) Explain the effect of climate on water transport. **[4]**  
b) Explain the use of remote sensing in detection of plant stress. **[5]**



Total No. of Questions : 6]

SEAT No. :

**P2382**

[Total No. of Pages : 2

[4831] - 403

**M.A. / M.SC. GEOGRAPHY (Semester - IV)**

**Gg - 411 : Geostatistics**

**(2013 Pattern) (Credit System)**

*Time :2.30 Hours]*

*[Max. Marks :38*

*Instructions to the candidates:*

- 1) *Attempt any two questions from Question no. 1 to Q,4*
- 2) *Questions no. 5 and 6 are compulsory*
- 3) *Draw figures/Maps wherever necessary.*
- 4) *Figures to the right side indicate full marks.*
- 5) *Use of map stencils and Calculator is allowed.*

- Q1)** a) Define the terms Stationarity and Isotropy. [2]  
b) Explain in brief spatial data types used in geostatistics. [4]  
c) Write a note on application of geostatistics to the field of Earth sciences. [4]
- Q2)** a) What do you mean by Exploratory Spatial Data Analysis (ESDA)? [2]  
b) Explain the terms sampling, heterogeneity and dependency. [4]  
c) List the univariate descriptors in ESDA and explain any two with proper example. [4]
- Q3)** a) What do you mean by Auto correlation? [2]  
b) Explain the role of Moran's I statistics in Spatial autocorrelation, [4]  
c) Elaborate briefly the concepts of auto-covariance and semivariance. [4]
- Q4)** a) Define correlogram. [2]  
b) Write a note on models of variogram. [4]  
c) Write a note on applications of Markov chain analysis [4]

**P.T.O.**

- Q5)** a) Write a note on global, local, deterministic and stochastic types of interpolation techniques. [4]  
b) List the local interpolation technique and explain any one of them. [5]
- Q6)** a) Explain the concept of dendrogram. rooted and unrooted trees. [4]  
b) Write a brief note on cluster analysis [5]



Total No. of Questions : 6]

SEAT No. :

P2383

[Total No. of Pages : 2

[4831] - 404

M.A./M.Sc.

**GEOGRAPHY**

**Gg - 420 : Regional Planning And Development  
(2013 Pattern) (Credit System) (Semester - IV)**

*Time : 2½ Hours]*

*[Max. Marks : 38*

*Instructions to the candidates:*

- 1) *Attempt any two questions from Q. No.1. to Q. No.4.*
- 2) *Question no. 5 and 6 are compulsory.*
- 3) *Draw figures/Maps wherever necessary.*
- 4) *Figures to the right indicate full marks.*
- 5) *Use of map stencils and Calculator is allowed.*

- Q1)** a) What is hierarchy of planning? [2]  
b) Explain the importance of Geography in regional planning. [4]  
c) What are the levels of planning? Explain any one level of planning. [4]
- Q2)** a) Enlist the types of region. [2]  
b) Discuss the measurement of regional planning. [4]  
c) Explain with example the importance of regional survey. [4]
- Q3)** a) What are the types of surveys of regional planning? [2]  
b) Explain the techniques of regional planning. [4]  
c) Describe the planning strategies in developing countries. [4]
- Q4)** a) Define meso - level planning. [2]  
b) Explain the concept of planning region. [4]  
c) What is concentration planning strategy ? Explain with examples. [4]

**P.T.O.**

- Q5)** a) Discuss the new trends in regional planning. [4]  
b) Write a note on 'National capital region'. [5]
- Q6)** a) Explain in brief the concept of regionalisation. [4]  
b) Discuss the impact of regional policies on regional planning in India. [5]





Total No. of Questions : 6]

SEAT No. :

**P2384**

[Total No. of Pages : 2

[4831] - 405

**M.A. / M.SC. GEOGRAPHY (Semester - IV)**

**Gg - 421 : Geography of Water Resources**

**(2013 Pattern) (Credit System)**

*Time :2.30 Hours]*

*[Max. Marks :38*

*Instructions to the candidates:*

- 1) *Attempt any two questions from Q.1 to Q.4*
- 2) *Question no. 5 and 6 are compulsory*
- 3) *Draw figures/Maps wherever necessary.*
- 4) *Figures to the right indicate full marks.*
- 5) *Use of map stencils and Calculator is allowed.*

- Q1)** a) Give the meaning of evapotranspiration. [2]  
b) Explain the hydrological cycle in brief. [4]  
c) Discuss water as a renewable resources. [4]
- Q2)** a) What do you mean by water balance? [2]  
b) Describe the methods of estimation of water for agriculture. [4]  
c) Discuss the water harvesting techniques. [4]
- Q3)** a) What do you mean by water utilisation. [2]  
b) Explain the water pollution and treatment. [4]  
c) Discuss the regionwise industrial demand for water. [4]
- Q4)** a) Explain the terms abundance and scarcity. [2]  
b) Discuss afforestation as a measure for water management. [4]  
c) Describe integrated basin management. [4]

**P.T.O.**

- Q5)** a) Discuss the water requirement of crops. [4]  
b) Discuss the institutional and domestic demand and use of water. [5]
- Q6)** a) Describe inter state water disputes in India. [4]  
b) Explain the measures to increase the groundwater level. [5]



Total No. of Questions : 6]

SEAT No. :

P2385

[Total No. of Pages : 2

[4831] - 406

M.A. / M.Sc. GEOGRAPHY

Gg - 422 : Biogeography

(2013 Pattern) (Credit System) (Semester - IV)

Time : 2.30 Hours]

[Max. Marks : 38

*Instructions to the candidates:*

- 1) *Attempt any two questions from question No. 1 to 4.*
- 2) *Question No. 5 and 6 are compulsory.*
- 3) *Figures to the right indicate full marks.*
- 4) *Draw figures / maps wherever necessary.*
- 5) *Use of map stencils and calculator is allowed.*

- Q1)** a) What do you mean by dispersal and colonization? [2]  
b) Write a note on history of the biogeography. [4]  
c) Describe the evolution of life on earth surface. [4]
- Q2)** a) What is the meaning of paleomagnetism? [2]  
b) Describe the major zoogeographical provinces in the world. [4]  
c) Describe the process of ecological succession with examples. [4]
- Q3)** a) What is the meaning of biomes and life forms? [2]  
b) Describe the biomass of tropical Savanna. [4]  
c) Discuss island as an area of isolation. [4]
- Q4)** a) What do you mean by limits of distribution? [2]  
b) Describe evergreen forest biomes with respect to regional climate and species richness. [4]  
c) Give a brief account of floral kingdom in biogeography. [4]

**P.T.O.**

- Q5)** a) Discuss the distribution patterns of habitats and micro-habitats. [4]  
b) Explain the idea of continental drift as per the ancient patterns in distribution of plants and animals. [5]
- Q6)** a) Critically examine the factors of physical limitation of life. [4]  
b) Mention major biomass of the World and describe the biomass of arid regions. [5]



Total No. of Questions : 6]

SEAT No. :

P2386

[Total No. of Pages : 2

[4831] - 407

**M.A. / M.SC. GEOGRAPHY (Semester - IV)**

**Gg - 423 : Oceanography**

**(2013 Pattern) (Credit System)**

*Time :2.30 Hours]*

*[Max. Marks :38*

*Instructions to the candidates:*

- 1) *Attempt any two questions from the question No. 1 to 4.*
- 2) *Question No. 5 and 6 are compulsory.*
- 3) *Draw figures / maps wherever necessary.*
- 4) *Use of map stencils and calculator is allowed.*

- Q1)** a) Define 'Oceanography' [2]  
b) Explain the foundation of modern Oceanography. [4]  
c) Discuss the recent trends in Oceanography [4]
- Q2)** a) What are abyssal plains? . [2]  
b) Describe the distribution of oceanic trenches of the world. [4]  
c) Discuss the process of formation of oceanic ridges with suitable examples. [4]
- Q3)** a) Define wave height. [2]  
b) Explain the formation of sea and swell in the oceans. [4]  
c) Discuss the factors responsible for the formation of storm surges. [4]
- Q4)** a) Define tide. [2]  
b) Critically examine 'equilibrium theory of tides'. [4]  
c) Elaborate the formation of tidal currents. [4]

**P.T.O.**

- Q5)** a) Explain various types of ocean currents. [4]  
b) Describe the ocean currents produced in Pacific Ocean. [5]
- Q6)** a) Explain the properties of lithogenous sediments. [4]  
b) Discuss the distribution of sediment deposits in the ocean. [5]



Total No. of Questions : 6]

SEAT No. :

**P2387**

[Total No. of Pages : 2

**[4831] - 408**

**M.A. / M.Sc. (Semester - IV)**

**GEOGRAPHY**

**Gg - 424 : Natural And Manmade Hazards**

**(2013 Pattern) (Credit System)**

*Time :2.30 Hours]*

*[Max. Marks :38*

*Instructions to the candidates:*

- 1) Attempt any two questions from Q1. to 4*
- 2) Q No. 5 and 6 are compulsory.*
- 3) Draw figures/maps wherever necessary.*
- 4) Figures to the right indicate full marks.*
- 5) Use of map stencils and calculator is allowed.*

- Q1)** a) What are the effects of Tsunamis? [2]  
b) Explain the different types of geological hazards. [4]  
c) Explain the causes and effects of erosion and deposition on land instability. [4]
- Q2)** a) What do you mean by the geomorphic hazards? [2]  
b) Explain the causes and effects of droughts. [4]  
c) Describe the effects of over exploitation of resources on environment. [4]
- Q3)** a) What do you mean by chemical hazards? [2]  
b) Explain the impact of large river projects. [4]  
c) Define hazards. Explain the various types of natural hazards. [4]
- Q4)** a) What is disaster prevention. [2]  
b) Discuss the causes and effects of earthquakes. [4]  
c) Explain the effects of release of toxic elements in the air and soil. [4]

**P.T.O.**

- Q5)** a) Discuss the effects of population growth and their impact of biodiversity. [4]  
b) Explain the impact of large river project on environment with reference to Tehri dam. [5]
- Q6)** a) Explain the causes, effects and areas of 2013 Kedarnath flood. [4]  
b) Give an account of causes and effects of dust storms and cyclonic storms. [5]





Total No. of Questions : 5]

SEAT No. :

**P2388**

[Total No. of Pages : 1

**[4831] - 409**

**M.A./M.Sc. GEOGRAPHY (Semester - IV)**

**Gg - 441:Principles of Regional Geography & Project Work  
(2013 Pattern) (Credit System)**

*Time :1.30 Hours]*

*[Max. Marks :25*

*Instructions to the candidates:*

- 1) Attempt any two questions from Question NQ 1. to 3*
- 2) Attempt any one question from Question No.4 to .5*
- 3) Draw figures/maps wherever necessary.*
- 4) Figures to the right indicate full marks.*
- 5) Use of map stencils and calculator is allowed.*

- Q1)** a) Define regional Geography. [2]  
b) Explain the transport principle of Christaller's theory. [4]  
c) Examine the causes of regional disparity in India. [4]
- Q2)** a) What is meant by range of goods and services? [2]  
b) Explain the Growth Pole Theory in brief. [4]  
c) Write the demerits of Myrdal's approach. [4]
- Q3)** a) Explain the backwash effect. [2]  
b) Explain the application of Christaller's Theory in regional planning. [4]  
c) What are the measures of regional development? . [4]
- Q4)** a) What is hierarchy of market places? [2]  
b) Explain the importance of regional approach in geography. [3]
- Q5)** a) What is meant by Centrality Index? [2]  
b) What are the effects of regional disparities? [3]



Total No. of Questions : 6]

SEAT No. :

**P2389**

[Total No. of Pages : 2

**[4831] - 410**

**M.A./M.Sc. GEOGRAPHY (Semester - IV)**

**Gg - 404 : Geography of Food Security in India**

**(2013 Pattern) (Credit System)**

*Time :2.30 Hours]*

*[Max. Marks :38*

**Instructions to the candidates:**

- 1) *Attempt any two questions from question no. 1 to Q. 4.*
- 2) *Question number 5 and 6 are compulsory.*
- 3) *Draw figures/maps wherever necessary.*
- 4) *Figures to the right side indicate full marks.*
- 5) *Use of map stencils and calculator is allowed.*

- Q1)** a) What is food sovereignty? [2]  
b) Describe the significance of food security in India. [4]  
c) Explain the causes of land degradation. [4]
- Q2)** a) Define hunger and malnutrition. [2]  
b) Explain the physical factors affecting food security. [4]  
c) Explain the role of magazines and newspapers in obtaining information about food security. [4]
- Q3)** a) Define the term 'land holding' [2]  
b) Explain the gender inequality. [4]  
c) Examine the socio-economic factors affecting food security. [4]
- Q4)** a) What is food stability? [2]  
b) Explain the role of agricultural productivity in economic growth. [4]  
c) Explain the distribution of cash crops in India [4]

**P.T.O.**

- Q5)** a) Explain how the economic constraints affect food security. [4]  
b) Examine the benefits and drawbacks of the Food Security Bill. [5]
- Q6)** a) Explain the social injustice in India [4]  
b) Explain the various spatio-temporal aspects which can be studied by maps. [5]



Total No. of Questions : 6]

SEAT No. :

**P2390**

[Total No. of Pages : 2

[4831] - 411

**M.A. / M.SC. GEOGRAPHY (Semester - IV)**

**Gg - 405 : Geography of Health  
(2013 Pattern) (Credit System)**

*Time :2.30 Hours]*

*[Max. Marks :38*

*Instructions to the candidates:*

- 1) *Attempt any two questions from question no. 1 to 4.*
- 2) *Question number 5 and 6 are compulsory.*
- 3) *Draw figures/maps wherever necessary.*
- 4) *Figures to the right indicate full marks.*
- 5) *Use of map stencils and calculator is allowed.*

- Q1)** a) Define Health. [2]  
b) Write in brief about achievements and challenges of geography of health. [4]  
c) Discuss approaches to geography of health. [4]
- Q2)** a) What is genetic disease? [2]  
b) Differentiate communicable and non-communicable disease. [4]  
c) Explain WHO classification of diseases. [4]
- Q3)** a) Define malnutrition? [2]  
b) What is deficiency disease? Give the examples of deficiency diseases. [4]  
c) Describe the problems of malnutrition? [4]
- Q4)** a) Write relation between gender and health. [2]  
b) Write short note on food habit and health. [4]  
c) Explain the impact of environment on health in rural area. [4]

**P.T.O.**

- Q5)** a) Explain social structure and health in India. [4]  
b) Describe the influence of geographical factors on human health. [5]
- Q6)** a) Describe the impact of air pollution on human health in urban area. [4]  
b) Discuss the health problems of tribal communities in India. [5]



Total No. of Questions : 6]

SEAT No. :

**P2391**

[Total No. of Pages : 2

[4831] - 412

**M.A. / M.Sc. GEOGRAPHY (Semester - IV)**

**Gg-407 : Regional Geography of SAARC Countries  
(2013 Pattern) (Credit System)**

*Time :2.30 Hours]*

*[Max. Marks :38*

*Instructions to the candidates:*

- 1) *Attempt any two questions from question no.1 To 4.*
- 2) *Question number 5 and 6 are compulsory.*
- 3) *Draw figures/maps wherever necessary.*
- 4) *Figures to the right indicate marks.*
- 5) *Use of the map stencils and calculator is allowed.*

- Q1)** a) Enlist the SAARC countries. [2]  
b) Explain the importance of SAARC organisation. [4]  
c) Explain the strategic location of Bhutan. [4]
- Q2)** a) Write latitude and longitude of Bangladesh. [2]  
b) Explain the characteristics of middle Indian plateau. [4]  
c) Classify the soils in India. [4]
- Q3)** a) What do you mean by continental location? [2]  
b) Explain the climatic condition of pakistan. [4]  
c) Discuss the socio-cultural status of Nepal. [4]
- Q4)** a) Name the major rivers in Bangladesh. [2]  
b) Describe the agricultural pattern in Maldives. [4]  
c) Write a note on "Forest in shrilanka". [4]

**P.T.O.**

- Q5)** a) Explain in brief 'Economical status of afghanistan'. [4]  
b) Write a note on Culture of India. [5]
- Q6)** a) Explain the physiographic characteristics of India. [4]  
b) Discuss the population composition of Pakistan. [5]

