

Total No. of Questions : 5]

SEAT No. :

PD-3391

[Total No. of Pages : 2

[6481]-101

M.A./M.Sc.

GEOGRAPHY

**GEO 501 MJ : Principle of Geomorphology
(2023 Pattern) (Semester - I) (2 Credits)**

Time : 2 Hours]

[Max. Marks : 35

Instructions to the candidates:

- 1) Q. 1 is compulsory.
- 2) Solve any three questions from Q.2 to Q.5.
- 3) Q.2 to 5 carry equal marks.

Q1) Solve any Five of the following :

[5]

- a) Define applied geomorphology.
- b) What is Era?
- c) What is SIAL?
- d) Give any two examples of biological weathering.
- e) What is landslide?
- f) Define the term Geotourism.
- g) Define subduction zone.

Q2) a) Describe the evidences of continental drift theory.

[6]

b) Explain the characteristics of sedimentary rocks.

[4]

Q3) a) Explain the types of endogenic forces.

[6]

b) What is hazard? Explain its impact.

[4]

P.T.O.

- Q4)** a) Explain the scope of Geomorphology. [6]
b) Discuss the types of physical weathering. [4]

Q5) Write short notes on any Two of the following : [10]

- a) Branches of geomorphology
- b) Importance of applied geomorphology
- c) Land slides
- d) Plate boundaries



Total No. of Questions : 5]

SEAT No. :

[Total No. of Pages : 2

PD3392

[6481]-102

M.A./M.Sc. - I

GEOGRAPHY

**GEO-502-MJ : Principles of Climatology
(2023 Credit Pattern) (Semester-I)**

Time : 2 Hours]

[Max. Marks : 35

Instructions to the candidates:

- 1) *Question 1 is compulsory.*
- 2) *Solve any Three questions from question No.2 to Q No.5.*
- 3) *Question No.2 to Q No.5 carry equal marks.*

Q1) Answer any 5 of the following.

[5]

- a) Define Climatology.
- b) Write the percentage of carbon dioxide in atmosphere.
- c) Define Heat Budget.
- d) What is normal lapse rate?
- e) Define insolation.
- f) What is cyclone?
- g) What is eye of cyclone.

Q2) a) Describe the nature of climatology.

[6]

b) Write note on ozone depletion.

[4]

Q3) a) Explain factors affecting on insolation.

[6]

b) Describe pressure belts on earth.

[4]

Q4) a) Discuss Hydrological cycle with diagram.

[6]

b) Describe the concept of temperature inversion.

[4]

P.T.O.

Q5) Write short notes on any two of the following.

[10]

- a) Development of climatology
- b) Stratosphere
- c) Temperature measurement
- d) Incoming solar radiation



Total No. of Questions : 5]

SEAT No. :

PD-3393

[Total No. of Pages : 2

[6481]-103

M.A./M.Sc.

GEOGRAPHY - I

**GEO-503 MJ : Principles of Economic Geography
(2023 Pattern) (Semester - I)**

Time : 2 Hours]

[Max. Marks : 35

Instructions to the candidates :

- 1) Q. 1 is compulsory.
- 2) Solve any three questions from Q. No. 2 to Q. No. 5.
- 3) Question 2 to 5 carry eqaul marks.

Q1) Solve any five of the following :

[5]

- a) What is Economic Geography?
- b) Name any two primary activities.
- c) Who developed the agricultural landuse model?
- d) Who introduced Industrial Location Theory?
- e) What is New Liberalism?
- f) Define the region.
- g) What is consumption function?

Q2) a) Describe the nature of Economic Geography.

[6]

b) State the recent trends in Economic Geography.

[4]

Q3) a) Discuss the issues of Economic Geography.

[6]

b) Explain the Von Thunens Model.

[4]

P.T.O.

Q4) a) Discuss the economic system. [6]

b) Write the types of consumption function. [4]

Q5) Write short notes on any two of the following : [10]

a) Secondary activities.

b) Importance of economic landscape.

c) European Union bloc.

d) Types of region.



Total No. of Questions : 5]

SEAT No. :

PD-3394

[Total No. of Pages : 2

[6481]-104

M.A./M.Sc. (Part - I)

GEOGRAPHY

GEO - 504 MJ : Principles of Population and Settlement

Geography

(2023 Pattern)(Semester - I)

Time : 2 Hours]

[Max. Marks : 35

Instructions to the candidates:

- 1) Q. 1 is compulsory.
- 2) Solve any three questions from Q.2 to Q.5.
- 3) Questions 2 to 5 carry equal marks.

Q1) Solve any Five of the following.

[5]

- a) Write any two approaches of population Geography.
- b) Define mortality
- c) What is Settlement Geography?
- d) Define population density.
- e) What is agriculture density of population?
- f) Define nuclear settlement.
- g) What is rectangular pattern of settlement?

Q2) a) Describe the scope of Population Geography.

[6]

b) How fertility affects the population growth.

[4]

Q3) a) Explain the economic factors influencing on population distribution. [6]

b) Discuss the concept of rural-urban fringe.

[4]

P.T.O.

- Q4)** a) Discuss approaches to study the settlement Geography. [6]
b) Write the geographical factors influencing on density of population. [4]

Q5) Write short notes on any two of the following: [10]

- a) Nature of Population Geography.
- b) Components of population change
- c) Population distribution of World.
- d) Urban settlement



Total No. of Questions : 5]

SEAT No. :

PD-3395

[Total No. of Pages : 2

[6481]-105

M.A./M.Sc. (Part - I)

GEOGRAPHY

GEO - 505 MJ : Introduction to Statistical Methods in

Geography

(2023 Pattern) (Semester - I)

Time : 2 Hours]

[Max. Marks : 35

Instructions to the candidates:

- 1) Q. No. 1 is compulsory.
- 2) Solve any three questions from Q.2 to Q.5.
- 3) Questions 2 to 5 carry equal marks.

Q1) Solve any Five of the following :

[5]

- a) What is Ordinal Scale?
- b) Enlist the sources of primary data.
- c) Define median.
- d) Write merits of arithmetic mean.
- e) What is leptokurtic?
- f) What is Correlation?
- g) What is 'b' in regression equation?

Q2) a) Describe the concept of central tendency.

[6]

b) Write note on secondary data.

[4]

Q3) a) Explain relative measures of dispersion.

[6]

b) Write use of regression in geographical research.

[4]

P.T.O.

- Q4)** a) Discuss about Frequency distribution. [6]
b) Describe Multiple regression. [4]

Q5) Write short notes any two of the following : [10]

- a) Discrete data
- b) Demerits of mode
- c) Positive skewed
- d) Negative Correlation



Total No. of Questions : 5]

SEAT No. :

PD-3396

[Total No. of Pages : 2

[6481]-106

M.A./M.Sc. (Part - I)

GEOGRAPHY

GEO - 510 MJ : Introduction to Geographical Information
System

(2023 Pattern)(Semester - I)

Time : 2 Hours]

[Max. Marks : 35

Instructions to the candidates:

- 1) Q. 1 is compulsory.
- 2) Solve any three questions from Q.2 to Q.5.
- 3) Questions 2 to 5 carry equal marks.

Q1) Solve any Five of the following :

[5]

- a) Write any two applications of GIS.
- b) List the components of GIS.
- c) Give any two types of spatial data.
- d) What is DBMS?
- e) Write any two merits of Vector Data.
- f) Give the acronym of DEM and DTM.
- g) What is Pixel?

Q2) a) Describe the major application areas of GIS.

[6]

b) What are the components of GIS? Explain any one component.

[4]

Q3) a) Explain the sources and types of spatial data.

[6]

b) Discuss the merits and demerits of Raster and Vector.

[4]

P.T.O.

Q4) a) Discuss the GIS Data Model Structure in GIS. **[6]**

b) Describe Database Management System. **[4]**

Q5) Write short notes on any two of the following : **[10]**

a) Digitilization and Topology Building

b) History of GIS

c) DEM and DTM

d) Consequences of GIS



Total No. of Questions : 5]

SEAT No. :

PD-3397

[Total No. of Pages : 2

[6481]-107

M.A./M.Sc. (Part - I)

GEOGRAPHY

GEO - 512 MJ : Tourism Management
(2023 Pattern)(Semester - I)(2 Credit)

Time : 2 Hours]

[Max. Marks : 35

Instructions to the candidates:

- 1) Q. 1 is compulsory.
- 2) Solve any three questions from Q.2 to Q.5.
- 3) Questions 2 to 5 carry equal marks.

Q1) Solve any Five of the following :

[5]

- a) Define tourist destination.
- b) Define tourism management.
- c) What are the strategies for promotion of tourist destination?
- d) What is tour planning?
- e) What is tourist agency?
- f) What are the secondary sources of data collection in tourism?
- g) Write any two principles of tour marketing?

Q2) a) Describe digital marketing strategies for the tour industry?

[6]

b) Write note on destination life cycle.

[4]

Q3) a) Explain types of tourist agencies.

[6]

b) Describe online guest review.

[4]

P.T.O.

- Q4)** a) Discuss tour planning and coordination in tourism. [6]
b) Describe branding of tourist destination. [4]

Q5) Write short notes any two of the following : [10]

- a) Tourism Planning
- b) Principles of tourism marketing
- c) Types of feedback form
- d) Tour packages in tourism industry



Total No. of Questions : 5]

SEAT No. :

PD-3398

[Total No. of Pages : 2

[6481]-108
M.A./M.Sc.-I
GEOGRAPHY
GEO - 514 MJ : Geography of Soil
(2023 Pattern)(Semester - I)

Time : 2 Hours]

[Max. Marks : 35

Instructions to the candidates:

- 1) *Q. 1 is compulsory.*
- 2) *Solve any three questions from Q.2 to Q.5.*
- 3) *Questions 2 to Q.5 carry equal marks.*

Q1) Solve any Five of the following :

[5]

- a) Name any two topography factors affecting soil formation.
- b) What is soil profile?
- c) State any four chemical properties of soils.
- d) What is permeability of soils?
- e) Define soil pH.
- f) What is land suitability classification?
- g) What is soil pollution?

Q2) a) Describe the causes and effects of soil degradation.

[6]

b) Write any four physical properties of soils.

[4]

P.T.O.

- Q3)** a) Explain the major factors of soil formation. [6]
b) Write the characteristics of soil profile horizon. [4]
- Q4)** a) Discuss soil as a Natural resources. [6]
b) Write the classes of land capability classification. [4]
- Q5)** Write short notes on any two of the following: [10]
a) Soil conservation
b) Soil classification system
c) Salinization
d) Cation-Anion exchange



Total No. of Questions : 7]

SEAT No. :

[Total No. of Pages : 1

PD3399

[6481]-109

First Year M.A./M.Sc.

GEOGRAPHY

GEO-531-RM : Research Methodology

(2023 Credit Pattern) (Semester - I)

Time : 3 Hours]

[Max. Marks : 70

Instructions to the candidates:

- 1) *Q. No. 1 is compulsory.*
- 2) *Solve any five questions from Q.2 to Q.7.*
- 3) *Q.2 to Q.7 carry equal marks.*

Q1) Solve any five of the following : **[10]**

- a) What is applied research?
- b) Define literature review.
- c) What is null hypothesis?
- d) What is research goal?
- e) Write any two sources of primary data.
- f) Give any two characteristics of qualitative data.
- g) What is food note?

Q2) a) Describe deductive reasoning approach. **[7]**

b) Purpose of literature review. **[5]**

Q3) a) Explain empirically inductive theory. **[7]**

b) What is research gap, how it identifies. **[5]**

Q4) a) Discuss in details techniques of research. **[7]**

b) Write applications of maps in data representation. **[5]**

Q5) a) Explain the elements of research paper. **[7]**

b) List components of research proposal and describe one of them. **[5]**

Q6) a) What is citation, h-index and impact factor. **[7]**

b) Write short note on IMRAD format. **[5]**

Q7) Write short note on any two of the following : **[12]**

- a) Non-probability sampling
- b) Preparation of research proposal
- c) General system model
- d) Abstract



Total No. of Questions : 7]

SEAT No. :

PD-3400

[Total No. of Pages : 2

[6481]-201

F.Y.M.A./M.Sc.

GEOGRAPHY

GEO 551 (A) MJ : Fluvial Geomorphology

(2023 Pattern) (Semester-II) (Credits - 4)

Time : 3 Hours]

[Max. Marks : 70

Instruction to the candidates :

- 1) *Q.1 is compulsory.*
- 2) *Solve any five questions from Q.2 to Q.7.*
- 3) *Q.2 to Q.7 carry equal marks.*
- 4) *Use of map stencil is allowed.*

Q1) Solve any Five of the following:

[10]

- a) What is a drainage basin?
- b) Define over land flow.
- c) What is shear stress?
- d) Explain concept of grade.
- e) What is meant by hydraulic geometry?
- f) What is impaction?
- g) Define sediment yield.

Q2) a) Describe any four erosional landforms of the bedrock channels.

[7]

b) Distinguish between steady and unsteady flows.

[5]

Q3) a) What is channel pattern? Explain various kinds of channel patterns? **[7]**

b) State the cross section morphology of a river.

[5]

P.T.O.

- Q4)** a) Discuss the mechanism of runoff generation and its types. [7]
b) Illustrate sediment transport in rivers. [5]
- Q5)** a) Elaborate the Horton's laws of drainage composition. [7]
b) What are the types of river load? [5]
- Q6)** a) Write difference between bedrock and alluvial rivers. [7]
b) What are alluvial fans and bajada? [5]
- Q7)** Write short notes on any two of the following: [12]
a) Types of erosion.
b) Flood stages
c) Downstream hydraulic geometry
d) Ox-bow lakes.



Total No. of Questions : 7]

SEAT No. :

PD-3401

[Total No. of Pages : 2

[6481]-202
M.A./M.Sc.
GEOGRAPHY
GEO 551 MJ (B) : Synoptic Climatology
(2023 Credit Pattern) (Semester - II)

Time : 3 Hours]

[Max. Marks : 70

Instructions to the candidates :

- 1) *Q. 1 is compulsory.*
- 2) *Solve any five questions from Q.2 to Q.7.*
- 3) *Q.2 to Q.7 carry equal marks.*

Q1) Solve any Five of the following.

[10]

- a) What is Law of Motion?
- b) Give types of atmospheric stability.
- c) Give types of air masses modification.
- d) Define Frontogenesis.
- e) Where are mid latitude cyclones formed?
- f) What is mean by Western disturbances?
- g) Give methods of weather forecasting.

Q2) a) Explain Scope of Synoptic Climatology.

[7]

b) Wet adiabatic lapse rate.

[5]

Q3) a) Explain in details source regions of air masses.

[7]

b) Formation of mid latitude cyclones.

[5]

Q4) a) Explain weather associated with fronts.

[7]

b) Formation of cold core cyclones.

[5]

P.T.O.

- Q5)** a) Explain types of weather forecasting. [7]
b) Changes in Atmospheric Stability. [5]
- Q6)** a) Explain types of fronts. [7]
b) Synoptic conditions during winter. [5]
- Q7)** Write short notes on any two of the following : [12]
a) Synoptic charts and maps
b) Classification of air masses
c) Rossby waves
d) Weather Analysis.



Total No. of Questions : 7]

SEAT No. :

PD-3402

[Total No. of Pages : 2

[6481]-203

M.A./M.Sc. (Part - I)

GEOGRAPHY

GEO-551 (C) MJ : Agricultural Geography

(2023 Pattern) (Semester - II)

Time : 3 Hours]

[Max. Marks : 70

Instructions to the candidates :

- 1) *Question No. 1 is compulsory.*
- 2) *Solve any five questions from Question No. 2 to Question No. 7.*
- 3) *Questions 2 to 7 carry equal marks.*
- 4) *Use of map stencil is allowed.*

Q1) Solve any five of the following :

[10]

- a) Define agricultural Geography.
- b) Write any two physical determinants of agriculture.
- c) What is crop combination?
- d) Define agricultural efficiency.
- e) What is shifting cultivation?
- f) Write any two social problems of Indian agriculture.
- g) What is organic farming?

Q2) a) Describe social determinants of agriculture.

[7]

b) Explain nature of agricultural Geography.

[5]

Q3) a) Explain Weaver crop combination method.

[7]

b) Discuss the importance of Horticulture.

[5]

P.T.O.

- Q4)** a) Describe the significance of agriculture in world region. [7]
b) Elaborate the concept of agro tourism with examples. [5]
- Q5)** a) Explain in detail about subsistent farming. [7]
b) Describe technological determinants of agriculture. [5]
- Q6)** a) Describe national agricultural policy of India. [7]
b) Explain agricultural region of India. [5]
- Q7) Write short notes any two of the following :** [12]
a) Deterministic Approach.
b) Advantages of community farming.
c) Demerits of plantation agriculture.
d) Economic problems of Indian agriculture.



Total No. of Questions : 7]

SEAT No. :

PD-3403

[Total No. of Pages : 2

[6481]-204

M.A./M.Sc.

GEOGRAPHY

**GEO-551MJ (D): Population Geography
(2023 Credit Pattern) (Semester - II)**

Time : 3 Hours]

[Max. Marks : 70

Instructions to the candidates :

- 1) *Q.1 is compulsory.*
- 2) *Solve any Five equations from Q.2 to Q.7.*
- 3) *Q.2 to Q.7 carry equal marks.*

Q1) Solve any Five of the following :

[10]

- a) What is under population?
- b) Define literacy.
- c) What is mortality?
- d) Write assumptions of Malthus Population Growth theory.
- e) Enlist population policies of India.
- f) What is a morbidity indicator.
- g) Define human development.

Q2) a) Describe significance of population geography.

[7]

b) Write a note on Vital Registration System.

[5]

Q3) a) Explain dependency ratio.

[7]

b) Write factors affecting on fertility.

[5]

Q4) a) Discuss the socio-cultural issues related to population policy of India.[7]

b) Write note on social population composition.

[5]

P.T.O.

- Q5)** a) Discuss Marxian theory of population. [7]
b) Write the opportunities of demographic dividend of India. [5]
- Q6)** a) Critically analyze the theory of Demographic transition. [7]
b) Write a note on district level household survey. [5]
- Q7)** Solve any two of the following : [12]
a) Human Development Index.
b) Salient features of population policies in India.
c) Work-force.
d) Optimum population.



Total No. of Questions : 5]

SEAT No. :

PD-3404

[Total No. of Pages : 2

[6481]-205
F.Y. M.A./M.Sc.
GEOGRAPHY
GEO-553MJ: Geographical Thought
(2023 Pattern) (Semester - II)

Time : 2 Hours]

[Max. Marks : 35

Instructions to the candidate:

- 1) *Question No. 1 is compulsory.*
- 2) *Attempt any three questions from Q. 2 to Q. 5.*
- 3) *Questions 2 to 5 carry equal marks.*
- 4) *Draw figures/maps wherever necessary.*
- 5) *Use of map stencil is allowed.*

Q1) Solve any five of the following :

[5]

- a) Which ancient Greek philosopher argued that the earth is round?
- b) Who proposed the theory of cycle of erosion?
- c) What is meant by systematic geography?
- d) Write one female name of American Geographers.
- e) Who has written the book of anthropogeographie?
- f) Give any two names of modern India geographers.
- g) Who introduced 'stop and go' determinism?

Q2) a) Explain the contribution of two Arab geographers in the development of geography. **[6]**

- b) Describe the contribution of Vidal-de-la-blache to the French geographical thoughts. **[4]**

P.T.O.

- Q3)** a) Discuss the contribution of two British geographers in the development of geography. [6]
- b) Differentiate between determinism and possibilism. [4]
- Q4)** a) Explain dualism between physical and Human Geography. [6]
- b) Describe the contribution of Ancient Indian Geographers. [4]
- Q5)** Write short notes any two of the following: [10]
- a) Dark Age
- b) M.V. Lomonosov
- c) Regional geography
- d) W.M. Davis



Total No. of Questions : 7]

SEAT No. :

PD3405

[Total No. of Pages : 2

[6481]-206

M.A./M.Sc. - I

GEOGRAPHY

**GEO-554-MJ(A): Coastal Geomorphology
(2023 Credit Pattern) (Semester - II) (Credits 4)**

Time : 3 Hours]

[Max. Marks : 70

Instructions to the candidates:

- 1) *Q.1 is compulsory.*
- 2) *Solve any five questions from Q.2 to Q.7.*
- 3) *Questions 2 to 7 carry equal marks.*
- 4) *Use of map stencil is allowed.*

Q1) Solve any Five of the following.

[10]

- a) What is temporal scales in coastal geomorphology?
- b) Define wave frequency.
- c) What is caves?
- d) What is biogenic sediments?
- e) What is dunes?
- f) What is coastal adaptation?
- g) Define Tsunami?

Q2) a) Describe the components of coastal system process in detail.

[7]

b) Explain in detail the shoreline erosion.

[5]

Q3) a) Explain the characteristics of tide dominated sea coast.

[7]

b) Illustrate coastline erosion and sea floor.

[5]

Q4) a) Discuss the types of coastal sediments.

[7]

b) Explain on coastal erosion and progradation.

[5]

Q5) a) Explain causes and consequences of sea level changes.

[7]

b) Discuss tides and coastal landforms in detail.

[5]

P.T.O.

- Q6)** a) Explain the types of beaches and spits. [7]
b) Give an account of coastal classification. [5]

Q7) Write short notes on any two of the following. [12]

- a) Sea level rise
- b) Stack and stumps
- c) Coastal conservation
- d) Marine terraces



Total No. of Questions : 7]

SEAT No. :

PD3406

[Total No. of Pages : 2

[6481]-207

First Year M.A./M.Sc.

GEOGRAPHY

**GEO-554-MJ(B): Agro - Meteorology
(2023 Credit Pattern) (Semester - II)**

Time : 3 Hours]

[Max. Marks : 70

Instructions to the candidates:

- 1) Q.1 is compulsory.
- 2) Solve any five questions from Q.2 to Q.7.
- 3) Q.2 to Q.7 carry equal marks.

Q1) Solve any Five of the following.

[10]

- a) Define Agro-Meteorology.
- b) What do meant by plant injury?
- c) What is soil temperature?
- d) What is meant by the biological hazards?
- e) Define Drought.
- f) Explain the concept of Evaporation.
- g) How is water loss measured?

Q2) a) Explain the concept of air temperature.

[7]

b) Application of Agro-Meteorology.

[5]

Q3) a) Explain the Drought Assessment Methods.

[7]

b) Water use in irrigation.

[5]

Q4) a) Give the Application of GIS in the field of Agro-Meteorology.

[7]

b) Nature of Agro-Meteorology.

[5]

Q5) a) Describe the role of Solar Radiation in plant growth.

[7]

b) Concept of Evapo-transpiration.

[5]

P.T.O.

- Q6)** a) Explain the concept of thermoperiodism. [7]
b) Effect of pests and insects on crop growth. [5]
- Q7)** Write short notes on any two of the following. [12]
a) Perspectives of Agro-Meteorology.
b) Solar Radiation interception by plants.
c) Desertification.
d) Application of Remote Sensing in Agro-Meteorology.



Total No. of Questions : 7]

SEAT No. :

PD3407

[Total No. of Pages : 2

[6481]-208

First Year M.A./M.Sc.

GEOGRAPHY

**GEO-554-(C)MJ: Geography of Development
(2023 Credit Pattern) (Semester - II)**

Time : 3 Hours]

[Max. Marks : 70

Instructions to the candidates:

- 1) *Q.1 is compulsory.*
- 2) *Solve any five questions from Q.2 to Q.7.*
- 3) *Q.2 to Q.7 carry equal marks.*

Q1) Solve any Five of the following.

[10]

- a) Define per capita income.
- b) Name any two villages of success stories of economic development.
- c) What is acronym FDI?
- d) Define Environment development.
- e) What is Globalization?
- f) What is Economic Growth?
- g) Who invent the big push model?

Q2) a) Describe the Harrod Domar growth model.

[7]

b) Write in brief the role of Agriculture in economic development.

[5]

Q3) a) Explain the major reasons of industrialization in LDCs.

[7]

b) Write the Rosenstein-Rodan model in short.

[5]

Q4) a) Discuss the Type of international capital flows.

[7]

b) Write any village success story of Economic Development.

[5]

Q5) a) What is Sustainable Industrial Development?

[7]

b) What is Social Development?

[5]

P.T.O.

- Q6)** a) Give an account of Economic development in geographical perspective.[7]
b) What is Regional Development? [5]

Q7) Write short notes on any Two of the following. [12]

- a) Village level story of economic Development.
- b) Growth Pole Theory.
- c) World Bank.
- d) Sustainable Economic Development.



Total No. of Questions : 7]

SEAT No. :

PD3408

[Total No. of Pages : 2

[6481]-209

M.A./M.Sc. - I

GEOGRAPHY

**GEO-554-MJ(D): Geography of Rural Settlement
(2023 Credit Pattern) (Semester - II) (Credits - 4)**

Time : 3 Hours]

[Max. Marks : 70

Instructions to the candidates:

- 1) *Q.1 is compulsory.*
- 2) *Solve any five questions from Q.2 to Q.7.*
- 3) *Questions 2 to 7 carry equal marks.*
- 4) *Use of map stencil is allowed.*

Q1) Solve any Five of the following.

[10]

- a) Write any two approaches to study of rural settlement.
- b) Define nucleation of settlement.
- c) Who proposed the theory of Rank size rule?
- d) Write any two main causes of transformation in rural settlement.
- e) What is kutch house and where is it commonly found?
- f) Define seasonal migration.
- g) State any two consequences of migration in rural areas.

Q2) a) Explain with suitable examples the reflection of geographical aspects in the place names of settlement.

[7]

b) Elaborate Pradhan Mantri Gram Samridhi Yojana.

[5]

Q3) a) Explain the factors influencing site and situation on settlement.

[7]

b) Describe the demographic characteristics of rural settlement.

[5]

Q4) a) Discuss the Rank size rule.

[7]

b) Examples of seasonal migration.

[5]

Q5) a) Explain the characteristics of rural settlement, in Maharashtra.

[7]

b) Elaborate the centrality and hierarchy of rural service centre.

[5]

P.T.O.

- Q6)** a) Discuss the Pradhan Mantri Awaas Yojana. [7]
b) Explain the physical & social factors affecting on rural house types. [5]

Q7) Write short notes on any two of the following. [12]

- a) Rural settlements
- b) Commuting patterns
- c) Pradhan Mantri Gram Sadak Yojana
- d) Size and architectural style of rural house



Total No. of Questions : 5]

SEAT No. :

PD3409

[Total No. of Pages : 1

[6481]-210

M.A./M.Sc. - I

GEOGRAPHY

**GEO - 560 - MJ : Introduction to Remote Sensing
(2023 Credit Pattern) (Semester - II)**

Time : 2 Hours]

[Max. Marks : 35

Instructions to the candidates:

- 1) *Question 1 is compulsory.*
- 2) *Solve any three questions from Q.2 to Q.5.*
- 3) *Q.2 to Q.5 carry equal marks.*

Q1) Solve any five of the following. [5]

- a) What is active remote sensing?
- b) Write any two applications of remote sensing.
- c) Write any two characteristics of Aerial Photography.
- d) What is scattering?
- e) Write the example of air based platforms.
- f) Give the name any satellite of earth resources.
- g) What is acronym of ISRO?

Q2) a) Describe the development of remote sensing in India. [6]

b) Write the major stages of remote sensing. [4]

Q3) a) Explain interaction of EMR with Earth's surface features. [6]

b) What are the types of resolution? [4]

Q4) a) Discuss the types of remote sensing platforms. [6]

b) What is Electromagnetic spectrum? [4]

Q5) Write short notes on the following (any two). [10]

- a) Aerial Photography
- b) Electromagnetic radiation
- c) Sun-synchronized orbit
- d) Passive remote sensing



Total No. of Questions : 5]

SEAT No. :

PD-3410

[Total No. of Pages : 2

[6481]-211

M.A./M.Sc. (Part - I)

GEOGRAPHY

**GEO 562 MJ : Geography of India (Major Elective Group - B)
(2023 Pattern) (Semester - II) (2 Credits)**

Time : 2 Hours]

[Max. Marks : 35

Instructions to the candidates:

- 1) *Q.No. 1 is compulsory.*
- 2) *Attempt any three questions from Q.2 to Q.5.*
- 3) *Questions 2 to 5 carry equal marks.*
- 4) *Draw figures/maps wherever necessary.*
- 5) *Use to map stencil is allowed.*

Q1) Solve any Five of the following : [5]

- a) Write the latitudinal and longitudinal extension of India.
- b) What is ITCZ?
- c) What is mean by La-Nina and El-Nino?
- d) Write any two Indian union territories and their capitals.
- e) What is Green Revolution in India?
- f) Write any two wheat producing states in India.
- g) Enlist the states located on west coast of India.

Q2) a) Describe the regional divisions of Himalaya. [6]

b) Explain summer season and associated weather conditions in India. [4]

Q3) a) Explain the major soil types and their distribution in India. [6]

b) Discuss environmental factors affecting on Indian agriculture. [4]

P.T.O.

- Q4)** a) Describe problems and prospects of industrial development in India. [6]
b) Elaborate Ganga River system in India. [4]

Q5) Write short notes any Two of the following : [10]

- a) Cotton producing states in India
- b) Godavari River System
- c) Jet Stream
- d) Sugar industries in India



Total No. of Questions : 5]

SEAT No. :

PD-3411

[Total No. of Pages : 2

[6481]-212

M.A./M.Sc. - I

GEOGRAPHY

**GEO 564 MJ : Political Geography
(2023 Credit Pattern) (Semester - II)**

Time : 2 Hours]

[Max. Marks : 35

Instructions to the candidates:

- 1) *Q.no. 1 is compulsory.*
- 2) *Solve any three questions from Q.2 to Q.5.*
- 3) *Q.2 to 5 carry equal marks.*

Q1) Solve any Five of the following :

[5 × 1 = 5]

- a) Define Political Geography.
- b) Define Frontiers.
- c) Define the term Nation.
- d) Who developed theory of sea Power?
- e) Who proposed theory of Heartland?
- f) What is McMahan Line?
- g) Who is father of Geopolitics?

Q2) a) Describe the historical background of Political Geography. [6]

b) Write note on Geopolitical significance of the Indian Ocean. [4]

Q3) a) Explain the Heartland theory. [6]

b) Describe the Rimland theory. [4]

P.T.O.

- Q4)** a) Discuss the Indus river water disputes. [6]
b) Explain the concept of Buffer Zone. [4]

Q5) Write short notes any Two of the following : [10]

- a) Concept of Territory
- b) Explain the Scope of political Geography
- c) India and Pakistan International border dispute
- d) Geopolitics of the Middle East



Total No. of Questions : 7]

SEAT No. :

PD-3412

[Total No. of Pages : 2

[6481]-301
S.Y.M.A./M.Sc.
GEOGRAPHY
GEO-601 MJ(A): Tropical Geomorphology
(2023 Pattern) (Semester - III) (4 Credits)

Time : 3 Hours]

[Max. Marks : 70

Instructions to the candidate:

- 1) *Q. 1 is compulsory.*
- 2) *Solve any five questions from Q. 2 to Q. 7.*
- 3) *Questions 2 to Q.7 carry equal marks.*
- 4) *Use of map stencil is allowed*

Q1) Solve any five of the following :

[10]

- a) What is a tropical environment?
- b) What are the main factors influencing weathering processes in tropical environments?
- c) Define indurated laterites.
- d) What is denudation?
- e) Explain pediments
- f) What is a peneplain?
- g) Define the concept of climate change.

Q2) a) Describe morphogenetic regions in the tropics.

[7]

b) What is clay mineral? Explain different types clay minerals.

[5]

P.T.O.

- Q3)** a) Explain the distribution of laterites in India. [7]
- b) Describe different processes involved in mass movement. [5]
- Q4)** a) Discuss the primary factors influencing landform development in tropical environments. [7]
- b) Write note on morphology of planation surfaces. [5]
- Q5)** a) Describe role of tectonics and climate change in tropics. [7]
- b) Distinguish between duricrusts and laterites. [5]
- Q6)** a) Describe solubility and mobility of minerals in tropics. [7]
- b) Explain theories of origin of iron in laterites [5]
- Q7)** Write short note on any two of the following: [12]
- a) Inselbergs
- b) Slope wash
- c) Quaternary period
- d) Duricrusty



Total No. of Questions : 7]

SEAT No. :

PD-3413

[Total No. of Pages : 2

[6481]-302

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

GEOGRAPHY

GEO-601MJ (B) : Monsoon Climatology

(2023 Pattern) (Semester - III) (4 Credit) (Special)

Time : 3 Hours]

[Max. Marks : 70

Instructions to the candidates :

- 1) Question No.1 is compulsory.
- 2) Solve any five questions from QNo.2 to Question No.7.
- 3) Questions 2 to 7 carry equal marks.
- 4) Use to map stencil is allowed.

Q1) Solve any Five of the following :

[10]

- a) How many types of monsoons in India? Write their names.
- b) List any two factors responsible for breakes in monsoons.
- c) What is the monsoon trough?
- d) Define heat low.
- e) What do you mean by MONEX?
- f) Define long range forecasting of monsoon.
- g) What is Jet stream?

Q2) a) Explain the scope of monsoon climatology.

[7]

b) Discuss the characteristics of south Asian monsoon.

[5]

Q3) a) Discuss the relevance of easterly and westerly jet streams in monsoon.[7]

b) Explain the Flohn's concept of origin of monsoon.

[5]

Q4) a) Describe the classical theory of Indian monsoon.

[7]

b) Describe the relationship between Tibetan plateau and Indian monsoon.

[5]

P.T.O.

- Q5)** a) Explain the impact of topography and midtropospheric disturbances on intra-seasonal variation of monsoon. [7]
b) Discuss the role of regional conditions on forecasting. [5]
- Q6)** a) Describe the factors for forecasting of monsoon. [7]
b) Explain different time scales for forecasting of monsoon. [5]
- Q7)** Write short notes any two of the following: [12]
a) Aerological concept of origin of monsoon.
b) Economic importance of monsoon.
c) Intra-seasonal variation of monsoon.
d) East-Asian Monsoon.



Total No. of Questions : 7]

SEAT No. :

PD-3414

[Total No. of Pages : 2

[6481]-303

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

GEOGRAPHY

GEO-601(C)MJ (c): Geography of Development - II
(2023 Pattern) (Semester - III) (4 Credits)

Time : 3 Hours]

[Max. Marks : 70

Instructions to the candidates :

- 1) *Question No.1 is compulsory.*
- 2) *Solve any five questions from Question No.2 to Question No.7.*
- 3) *Questions 2 to 7 carry equal marks.*
- 4) *Use to map stencil is allowed.*

Q1) Solve any Five of the following :

[10]

- a) Define the term 'Development'.
- b) What do you mean by 'third world'.
- c) What is globalization?
- d) Define the term 'Resources'.
- e) Write any two important functions of united Nation organization.
- f) Define the term sustainable development.
- g) What is green revolution?

Q2) a) Describe the classification of countries given by the world bank. [7]

b) Explain geographical causes of unequal developments of countries. [5]

Q3) a) Explain the impact of Industrilization on economic development of a country. [7]

b) Signify the role of transportation in economic development. [5]

P.T.O.

- Q4)** a) How united nation have played an important role in the development of third world countries. [7]
b) Describe the role of renewable energy in sustainable development of a country. [5]
- Q5)** a) Explain India's self reliance policy of development. [7]
b) Describe the significance of human resource management with reference to India. [5]
- Q6)** a) Describe India's agricultural policy. [7]
b) Explain the challenges in the global economic development. [5]
- Q7)** Write short notes any two of the following: [12]
a) Service sector in India.
b) Types of employment.
c) Small scale industries in India.
d) Globalization and Indian economy.



Total No. of Questions : 7]

SEAT No. :

PD-3415

[Total No. of Pages : 2

[6481]-304

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

GEOGRAPHY

GEO-601MJ (D): Urban Geography
(2023 Pattern) (Semester - III) (4 Credit)

Time : 3 Hours]

[Max. Marks : 70

Instructions to the candidates :

- 1) Question No.1 is compulsory.
- 2) Solve any five question from Question No.2 to Question No.7.
- 3) Questions 2 to 7 carry equal marks.
- 4) Use to map stencil is allowed.

Q1) Solve any Five of the following :

[10]

- a) Define Urban geography.
- b) What is urbanization.
- c) Name the city classification based on population.
- d) Who invented the sector model?
- e) Who propounded the central place Theory?
- f) Write any two approaches of urban geography.
- g) Define urban morphology.

Q2) a) Describe the nature of urban geography.

[7]

b) Explain the trends of urbanization in India.

[5]

Q3) a) Describe the functional classification of towns and cities.

[7]

b) Explain the problems of civic amenities.

[5]

Q4) a) Explain the urban issue of environmental pollution.

[7]

b) Explain the characteristics of urban population sex structure.

[5]

P.T.O.

- Q5)** a) Explain the sector model of urban morphology. [7]
b) Discuss the origins of urban planning. [5]
- Q6)** a) Describe the hierarchy of urban settlements. [7]
b) Explain the urban policy since independence. [5]
- Q7)** Write short notes any two of the following: [12]
a) PURA
b) Smart cities mission
c) Healthy urban planning
d) AMRUT



Total No. of Questions : 5]

SEAT No. :

PD3416

[Total No. of Pages : 1

[6481]-305

M.A./M.Sc. - II

GEOGRAPHY

**GEO-603-MJ : Watershed Management
(2023 Credit Pattern) (Semester - III)**

Time : 2 Hours]

[Max. Marks : 35

Instructions to the candidates:

- 1) Question No. 1 is compulsory.
- 2) Attempt any three questions from Q.No. 2 to Q.No. 5.
- 3) Questions 2 to 5 carry equal marks.
- 4) Draw figures/maps wherever necessary.
- 5) Use of map stencil is allowed.

Q1) Solve any five of the following. **[5]**

- a) What is hydrological cycle?
- b) What do you mean by rainfall?
- c) Define term 'Watershed'.
- d) Define term 'drainage density'.
- e) What do you mean by ecosystem?
- f) What is disaster?
- g) What are the four best practices followed in Ralegan Siddhi?

Q2) a) Explain the major components of hydrological cycle. **[6]**
b) Explain the importance of watershed for water resources management. **[4]**

Q3) a) What is water supply management? Explain need of water supply management. **[6]**
b) Describe the need of watershed management. **[4]**

Q4) a) Describe the importance of watershed development in livelihoods. **[6]**
b) Describe the water conservation programme of Ralegan Siddhi or Hiware Bazar in brief. **[4]**

Q5) Write short notes on any two of the following. **[10]**

- a) Relief aspects of watershed.
- b) Nature of watershed.
- c) Need of water quality protection.
- d) Impact of watershed development on ecosystem.



Total No. of Questions : 7]

SEAT No. :

PD-3417

[Total No. of Pages : 2

[6481]-306

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

GEOGRAPHY

GEO-604 MJ (A) : Applied Geomorphology

(2023 Pattern) (Semester - III) (4 Credits)

Time : 3 Hours]

[Max. Marks : 70

Instructions to the candidates :

- 1) *Question No. 1 is compulsory.*
- 2) *Solve any five questions from Q. No. 2 to Q. No. 7.*
- 3) *Question 2 to 7 carry eqaul marks.*
- 4) *Use of map stencil is allowed.*

Q1) Solve any five of the following :

[10]

- a) Define applied Geomorphology.
- b) Give the meaning of water induced soil erosion.
- c) Write any two effects of coastal hazards.
- d) Name any two methods for managing of landslides.
- e) What is material resources?
- f) What is urban management?
- g) What is road building?

Q2) a) Describe the historical development of Indian remote sensing.

[7]

b) Write the role of geomorphologist in the hazard management.

[5]

Q3) a) Explain the slope instability hazards and its management.

[7]

b) Write the effects of avalanches.

[5]

P.T.O.

- Q4)** a) Write in details the management of river floods. [7]
b) What are the causes of landslide hazards? [5]
- Q5)** a) Describe the role of geomorphology in road building management. [7]
b) What is urban management? [5]
- Q6)** a) Explain the techniques of scenic evaluation in resources management. [7]
b) What is material resources? [5]
- Q7) Write short notes of the any two of the following :** [12]
a) Environmental management
b) Resources evaluation
c) Landslide management
d) Volcano as geomorphological hazard



Total No. of Questions : 7]

SEAT No. :

PD-3418

[Total No. of Pages : 2

[6481]-307

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

GEOGRAPHY

GEO - 604 MJ (B) : Applied Climatology

(2023 Pattern) (Semester - III) (4 Credits) (Special - 4)

Time : 3 Hours]

[Max. Marks : 70

Instructions to the candidates :

- 1) Q. No. 1 is compulsory
- 2) Solve any five questions from Q.2 to Q.7
- 3) Question 2 to 7 carry equal marks
- 4) Use of map stencil is allowed.

Q1) Solve any Five of the following :

[10]

- a) What is Urban heat island?
- b) The concept of evapotranspiration.
- c) Define Tourism.
- d) What do you mean by cloud seeding?
- e) Name the instruments to measure temperature.
- f) What is drought?
- g) Write three major types of transport.

Q2) a) Explain the concept and scope of applied climatology.

[7]

b) Discuss the development of applied climatology.

[5]

Q3) a) Discuss the relationship between climate and soil.

[7]

b) Explain the nature of urban climates.

[5]

Q4) a) Express the interrelationship between climate and human.

[7]

b) Write in detail the causes of urban air pollution.

[5]

P.T.O.

Q5) a) Describe the relationship between climate and tourism. [7]

b) Explain the effects of urbanisation. [5]

Q6) a) Describe the impact of climate on land transport. [7]

b) Write the applications of applied climatology in droughts and cyclones. [5]

Q7) Write short notes any Two of the following. [12]

a) Significance of applied climatology

b) Impact of climate on agriculture

c) Climate and human health

d) Climate impact assessment



Total No. of Questions : 7]

SEAT No. :

[Total No. of Pages : 2

PD3419

[6481]-308

Second Year M.A./M.Sc.

GEOGRAPHY

**GEO-604(C)MJ: Advances in Economic Geography
(2023 Credit Pattern) (Semester - III)**

Time : 3 Hours]

[Max. Marks : 70

Instructions to the candidates:

- 1) *Q.1 is compulsory.*
- 2) *Solve any five questions from Q.2 to Q.7.*
- 3) *Questions 2 to 7 carry equal marks.*
- 4) *Use to map stencil is allowed.*

Q1) Solve any Five of the following.

[10]

- a) Define resource.
- b) Who proposed classical location theory?
- c) What is economic landscape?
- d) What is mean by economic activity?
- e) Define Globalization.
- f) Write two economic activities.
- g) What is Import?

Q2) a) Explain in detail classification of resources.

[7]

b) Explain New Economic Geography of Krugman and Fusita.

[5]

Q3) a) Describe the classical location theory.

[7]

b) Discuss the Logistics policies.

[5]

Q4) a) Explain the factors affecting on regional development.

[7]

b) Explain Regional Development in Maharashtra.

[5]

Q5) a) Describe the environmental implications on economic activities.

[7]

b) Discuss the factors affecting on firm location decision in the modern context.

[5]

P.T.O.

- Q6)** a) Explain the consequences of globalization on regional economies. [7]
b) Describe the sustainable economic development. [5]

Q7) Write short notes on any two of the following. [12]

- a) Export policies
- b) Regional Disparities
- c) Regional development policies
- d) Documentation of Import and Export



Total No. of Questions : 7]

SEAT No. :

[Total No. of Pages : 2

PD3420

[6481]-309

M.A./M.Sc. - II

GEOGRAPHY

**GEO-604-MJ(D): Geography of Migration
(2023 Credit Pattern) (Semester - III) (Credits - 4)**

Time : 3 Hours]

[Max. Marks : 70

Instructions to the candidates:

- 1) *Q.1 is compulsory.*
- 2) *Solve any five questions from Q.2 to Q.7.*
- 3) *Questions 2 to 7 carry equal marks.*
- 4) *Use to map stencil is allowed.*

Q1) Solve any Five of the following.

[10]

- a) Define migration.
- b) Define Internal migration.
- c) Write any two consequences of Migration.
- d) What is urban to rural Migration?
- e) What is brain drain?
- f) What is Ravensteins's first law of migration?
- g) Write any two migration policy of India.

Q2) a) Describe the nature of geography of migration.

[7]

b) Explain the social determinants of migration.

[5]

Q3) a) Explain the causes of migration.

[7]

b) Describe the political consequences of migration.

[5]

Q4) a) Discuss the problems of internal migration.

[7]

b) Explain the issues at origin of internal migration.

[5]

Q5) a) Describe the history and recent trends of international migration.

[7]

b) Elaborate Everett Lee's theory of migration.

[5]

P.T.O.

- Q6)** a) Explain the Ravenstein's laws of migration. [7]
b) Describe the issues of permanent immigrants. [5]

Q7) Write short notes on any two of the following. [12]

- a) International migration policy
- b) Refugee migration
- c) National migration policy in India
- d) Causes of migration



Total No. of Questions : 5]

SEAT No. :

PD-3421

[Total No. of Pages : 2

[6481]-310
S.Y.M.A./M.Sc.
GEOGRAPHY
GEO 610 MJ : Advances in Geoinformatics
(2023 Pattern) (Semester - III)

Time : 2 Hours]

[Max. Marks : 35

Instructions to the candidates:

- 1) *Q.No. 1 is compulsory.*
- 2) *Attempt any three questions from Q.2 to Q.5.*
- 3) *Q.2 to 5 carry equal marks.*
- 4) *Draw figures/maps wherever necessary.*
- 5) *Use of map stencil is allowed.*

Q1) Solve any Five of the following : **[5]**

- a) Write the definition of geoinformatics.
- b) What are topological overlays?
- c) What is remote sensing?
- d) IRNSS stands for what?
- e) What is mean by image stretching?
- f) Define nonsystematic errors.
- g) What is Geostationary satellite?

Q2) a) Explain the types of Remote sensing. **[6]**

b) Discuss the GCP tools. **[4]**

Q3) a) Describe the segments of GPS. **[6]**

b) Explain the Image georeferencing. **[4]**

Q4) a) Explain the application of GIS. **[6]**

b) Describe the surface analysis. **[4]**

P.T.O.

Q5) Write short notes any Two of the following :

[10]

- a) Grid Analysis
- b) Uses of GPS
- c) Photogrammetry
- d) Edge Enhancement



Total No. of Questions : 5]

SEAT No. :

PD-3422

[Total No. of Pages : 2

[6481]-311

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

GEOGRAPHY

GEO - 612 MJ - B : Geography of Resource Management
(2023 Pattern) (Semester - III) (2 Credits)

Time : 2 Hours]

[Max. Marks : 35

Instructions to the candidates:

- 1) Question No. 1 is compulsory.
- 2) Attempt any three questions from Q.No.2 to Q.No.5.
- 3) Questions 2 to 5 carry equal marks.
- 4) Draw figures/maps wherever necessary.
- 5) Use of map stencil is allowed.

Q1) Solve any Five of the following :

[5]

- a) What is resource?
- b) Write the types of coal?
- c) Why resources conservation is important.
- d) Write any two applications of remote sensing in resource management.
- e) Give the name of forest types.
- f) What is deforestation?
- g) Write any two role of remote sensing in resource management.

Q2) a) Explain the scope of resource management.

[6]

b) What do you mean by resource appraisal? Explain

[4]

Q3) a) Explain in detail the solar renewable resources.

[6]

b) Write a note on water conservation.

[4]

P.T.O.

- Q4)** a) Define conservation of resources. Discuss the methods of forest conservation. [6]
- b) Explain the methods of conservation of resources. [4]

Q5) Write short notes any Two of the following : [10]

- a) Hybrid Systems programme
- b) Policies on renewable energy in India.
- c) Approaches to resource management.
- d) Need for resource management.



Total No. of Questions : 5]

SEAT No. :

PD-3423

[Total No. of Pages : 2

[6481]-312
M.A/M.Sc. - II
GEOGRAPHY
GEO-614 MJ(C) : Regional Planning and Development
(2023 Pattern) (Semester - III) (2 Credits)
(Major Elective Group-C) (Theory)

Time : 2 Hours]

[Max. Marks : 35

Instructions to the candidates :

- 1) *Q. 1 is compulsory.*
- 2) *Attempt any three questions from Q.2 to Q.5.*
- 3) *Questions 2 to 5 carry equal marks.*
- 4) *Draw figures/maps wherever necessary.*
- 5) *Use of map stencil is allowed.*

Q1) Solve any Five of the following: **[5]**

- a) What do you mean by region?
- b) Define regional planning.
- c) What is the meaning of regional development?
- d) What do you mean by town planning?
- e) Name the types of region.
- f) What is the rationale for planning.
- g) Name two challenges of regional development.

Q2) a) Describe the types of regional planning. **[6]**

b) Explain the need of town planning. **[4]**

Q3) a) Explain the economic indicators of regional development. **[6]**

b) Write a command area development programme in India. **[4]**

P.T.O.

- Q4)** a) Discuss the challenges of regional development in India. [6]
b) Explain the formal regions in regional planning. [4]

Q5) Write short notes any two of the following : [10]

- a) Vernacular region
- b) Metropolitan development programme in India.
- c) Comprehensive planning of regional development.
- d) The Garden City Movement (Theory)



Total No. of Questions : 7]

SEAT No. :

PD-3424

[Total No. of Pages : 2

[6481]-401

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

GEOGRAPHY

GEO - 651 - MJ : Social and Cultural Geography

(2023 Pattern) (Semester - IV) (Credits : 4)

Time : 3 Hours]

[Max. Marks : 70

Instructions to the candidates:

- 1) *Q. No.1 is compulsory.*
- 2) *Solve any Five questions from Q.2 to Q.7.*
- 3) *Questions 2 to 7 carry equal marks.*

Q1) Solve any **Five** of the following :

[10]

- a) Define Social Geography.
- b) What is religion?
- c) Define tribe.
- d) Enlist causes of crime.
- e) Define Cultural Geography.
- f) What is cultural adaptation?
- g) What is cultural heritage?

Q2) a) Describe the nature of Social Geography.

[7]

b) Discuss the distribution of language.

[5]

Q3) a) Explain housing social issue in India.

[7]

b) Describe the scope of Cultural Geography.

[5]

Q4) a) Describe the concept of cultural landscape.

[7]

b) Discuss the cultural assimilation of the world.

[5]

P.T.O.

- Q5)** a) Describe the process of diffusion and acculturation. [7]
b) Trends in Social Geography. [5]
- Q6)** a) Describe major races of the world. [7]
b) Sex ratio as a social issue in India. [5]
- Q7)** Write short notes on any two of the following : [12]
a) Components of social wellbeing
b) Cultural integration
c) India's multicultural identity
d) Nomenclature



Total No. of Questions : 7]

SEAT No. :

PD-3425

[Total No. of Pages : 2

[6481]-402

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

GEOGRAPHY

GEO-652-MJ: Geography of Disaster Management

(2023 Pattern) (Semester - IV) (Credit-4)

Time : 3 Hours]

[Max. Marks : 70

Instructions to the candidate:

- 1) *Q. No. 1 is compulsory.*
- 2) *Solve any five questions from Q. 2 to Q. 7.*
- 3) *Questions 2 to 7 carry equal marks.*

Q1) Solve any five of the following :

[10]

- a) Define disaster
- b) What is storm?
- c) Define volcano.
- d) Write any two role of police department in disaster response.
- e) What is preparedness?
- f) Write any two highly seismic zones of India.
- g) Write any two economical impact of disaster.

Q2) a) Describe man-made disasters with suitable examples.

[7]

b) Write a short note on biological disasters.

[5]

P.T.O.

- Q3)** a) Explain the causes terrorism. [7]
b) Discuss the role of SDRF in disaster management. [5]
- Q4)** a) Discuss the impact of disaster on health. [7]
b) Write the classification of disasters. [5]
- Q5)** a) Describe the effects of flood. [7]
b) Write a note on relief management. [5]
- Q6)** a) Describe the disaster management cycle. [7]
b) Describe the causes of food poisoning. [5]
- Q7)** Write short notes on any two of the following: [12]
a) Rehabilitation
b) Social impact of disaster
c) Early warning system in disaster management.
d) Coal fire



Total No. of Questions : 5]

SEAT No. :

PD3426

[Total No. of Pages : 1

[6481]-403

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

GEOGRAPHY

**GEO-660-MJ: Advance Surveying
(2023 Credit Pattern) (Semester - IV) (Credits - 2)**

Time : 2 Hours]

[Max. Marks : 35

Instructions to the candidates:

- 1) *Q.1 is compulsory.*
- 2) *Solve any three questions from Q.2 to Q.5.*
- 3) *Question 2 to 5 carry equal marks.*

Q1) Solve any Five of the following. [5]

- a) Write two functions of an auto level.
- b) Enlist any two applications of GPS.
- c) What is REM?
- d) Define horizontal angle.
- e) Write the uses of telescope of a total station.
- f) What is the role of DGCA in civil aviation.
- g) Write the use of drone survey.

Q2) a) Discuss the application of DGPS in topographical survey. [6]

b) Explain the uses of an auto level. [4]

Q3) a) Explain the uses of a total station. [6]

b) Describe the types of advance surveying instruments. [4]

Q4) a) Write the importance of drone survey in Geography. [6]

b) Explain the static survey in DGPS. [4]

Q5) Write any Two short notes of the following. [10]

- a) Real time kinematic (RTK)
- b) Auto level
- c) Introduction to UAV
- d) Global Positioning system (GPS)



Total No. of Questions : 5]

SEAT No. :

PD3427

[Total No. of Pages : 1

[6481]-404

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

GEOGRAPHY

GEO-662-MJ: Geography of Maharashtra
(2023 Credit Pattern) (Semester - IV)

Time : 2 Hours]

[Max. Marks : 35

Instructions to the candidates:

- 1) Q.1 is compulsory.
- 2) Solve any three questions from Q.2 to Q.5.
- 3) Question 2 to 5 carry equal marks.

Q1) Solve any Five of the following. **[5]**

- a) Write administrative divisions of Maharashtra.
- b) Write climatic regions of Maharashtra.
- c) Name tributaries of Tapi river.
- d) What is literacy?
- e) Write top two districts having higher sex ratio.
- f) Enlist any two problems of agriculture in Maharashtra.
- g) Enlist any two districts of higher sugarcane producer in Maharashtra.

Q2) a) Describe physiographic divisions of Maharashtra. **[6]**

b) Write short note on Godavari river system. **[4]**

Q3) a) Explain the causes of migration in Maharashtra. **[6]**

b) Describe rice distribution in Maharashtra. **[4]**

Q4) a) Explain export-import of agriculture products in Maharashtra. **[6]**

b) Explain literacy composition of Maharashtra. **[4]**

Q5) Write any Two short notes of the following. **[10]**

- a) Political background of Maharashtra.
- b) Distribution of soil types in Maharashtra.
- c) Wheat distribution in Maharashtra.
- d) Effects of Migration in Maharashtra.



Total No. of Questions : 5]

SEAT No. :

PD3428

[Total No. of Pages : 1

[6481]-405

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

GEOGRAPHY

GEO-664-MJ: Environmental Laws

(2023 Credit Pattern) (Semester - IV) (Credits - 2)

Time : 2 Hours]

[Max. Marks : 35

Instructions to the candidates:

- 1) Q.1 is compulsory.
- 2) Solve any three questions from Q.2 to Q.5.
- 3) Question 2 to 5 carry equal marks.

Q1) Solve any Five of the following. [5]

- a) What are environmental laws?
- b) Define 'Environment'.
- c) Which day is celebrated as the world ozone day?
- d) What is biosphere?
- e) What is objectives of the wildlife protection act, 1972?
- f) Define 'forest conservation'.
- g) State any two causes of water pollution.

Q2) a) What are the salient features of the Air (prevention and control of pollution) Act, 1981? [6]

b) What are the major key points of environmental protection Act, 1986?[4]

Q3) a) Explain the major sustainable development goals associated with environment. [6]

b) Explain the concept of coastal regulation zone. [4]

Q4) a) Describe the measures to prevent and control the wildlife in India. [6]

b) What are the penalties for the water pollution act, 1974? [4]

Q5) Write any Two short notes of the following. [10]

- a) Causes of Air pollution.
- b) Need of forest conservation.
- c) Plastic waste management rule, 2016.
- d) Importance of environmental protection act, 1986.

