

**CLASS X**  
**SUBJECT-GEOGRAPHY**

- Answers to this Paper must be written on the answer sheet provided separately.
- You will not be allowed to write during the first 15 minutes. This time is to be spent in reading the question paper.
- The time given at the head of this Paper is the time allowed for writing the answers

Part I is compulsory. All questions from Part I are to be attempted.

A total of five questions are to be attempted from Part II.

The intended marks for questions or parts of questions are given in brackets [ ]

The Map given at the end of this question paper must be detached, and after marking, must be fastened to your answer booklet.

All sub-sections of the questions attempted must be answered in the correct serial order

**PART I (30 Marks)**

**(Attempt all questions from this Part.)**

**Question 1**

Study the extract of the Survey of India Map sheet No. G43SIO [E-60 to 70, N-28 to 38] and answer the following questions:

(i) (a) Give the four figure grid reference of the settlement where Ayurvedic hospital is found.[2]

(b) Name two man-made features in grid square 6429

(ii) (a) What is the pattern of drainage seen in grid square 6729 ? [2]

(b) What is the pattern of settlement seen in grid square 6934?

(iii) Calculate the shortest distance in kms. between settlement Udwaria (6934) and Sanwara (6636). [2]

(iv) What advantage does Representative Fraction have over Statement scale ? [2]

v) What do you mean by the following: [2]

(a) 3r in grid square 6933

(b) .437 in grid square 6729

**Question 2**

On the outline map of India provided

- (i) Draw and label the Standard Meridian of India. [1]
- (ii) Shade and label the river Tungabhadra. [1]
- (iii) Shade and label Andaman Sea. [1]
- (iv) Shade and label the Coast which receives rainfall in the month of Dec-Jan. [1]
- (v) Mark with a dot and name Kochi. [1]
- (vi) Shade an area which has black soil. [1]
- (vii) Mark and name Nathu-la Pass. [1]
- (viii) Mark and name the largest coal field. [1]
- (ix) Mark and label Aravali. [1]
- (x) Shade and label the area of Sparse population in North East India. [1]

**Question 3: [10]**

Choose the correct option:

(i)..... is a hot and dry local wind that blow in north India during pre-monsoon period.

- (a) Western Disturbance
- (b) Loo
- (c) Kal Baisakhi
- (d) Cherry Blossom

(ii) Gully erosion is common in the:

- (a) Chambal basin (b) Ganga basin (c) Rajasthan (d) Hilly region

(iii) ..... And .... Are crops are associated with laterite soil.

- (a) Wheat and rice (b) Sugarcane and rice (c) Maize and Bajra (d) Tea and Coffee

(iv) Which are the most widespread forests of India?

- (a) Tropical RaiD Forests (b) Tropical Thorn Forest (c) Tropical Deciduous Forests (d) Littoral Forests

(v) ..... is the oldest coalfield of India.

(a) Raniganj (b) Jharia (c) Bokaro (d) Karanpura

(vi) Cultivation of crops and raising of animals is a feature of

(a) Intensive farming (b) Plantation farming (c) Mixed farming (d) Commercial farming

(vii) ..... industries are also known as household industry.

(a) Basic Industry (b) Co-operative Industry (c) Cottage Industry (d) Tertiary Industry

(viii) The largest manufacturing iron and steel plant of India.

(a) TISCO (b) Bhilai (c) Rourkela (d) Visakhapatnam

(ix) .....transport supplements the other modes of transport

(a) Airways (b) Roadways (c) Waterways (d) Railways

(x) Cheapest method of disposal of waste:

(a) Dumping (b) Compositing (c) Recycling (d) Segregation

### PART II (50 Marks)

(Attempt any five questions from this Part.)

#### Question 4:

- (i) (a) Name the type of climate experienced by India. (2)  
(b) Mention any two factors responsible for it.
- (ii) With the help of a suitable example explain how relief features affect the rainfall of a place [2]
- (iii) (Give geographical reason for each of the following: [3])  
(a) Annual range of temperature is higher in Delhi than Mumbai.  
(b) Mango showers are beneficial local winds.  
(c) The North East monsoons bring almost no rain to most parts of India.
- (iv) Study the climatic data and answer the following questions:

	Jan.	Feb.	March	April	May	June	Jul	Aug	Sep	Oct.	Nov.	Dec.
Temp.	23.8	25.0	27.7	28.3	30.2	30.3	30.4	30.3	30.0	30.3	25.5	24.2
Rainfall cms.	0	0	1.1	1.5	2.1	45.3	46.5	45.4	43.3	20.1	3.0	1

- (a) Calculate the annual range of temperature.  
(b) What is the total rainfall during the monsoon season ?  
(c) On which coast is the station located ? Give a reason for your answer.

#### Question 5

i) Differentiate between alluvial and laterite soil. [2]

(ii) Arjun went on a vacation with his parents to Agra and Lucknow. On his journey he came across the large green agricultural fields. He was amazed to see the agricultural development of the region. There he saw growth of crops both cash crops and food crops. [2]

- a) State the type of soil found in the region.
- b) State two physical properties of the soil.

iii) Give geographical reasons for the following: [3]

- a) Black soil is a residual soil.
- b) Red soils are generally infertile.
- c) Alluvial soil differs in texture.

(iv) What is Soil Conservation? Mention any two measures taken to conserve soil. [3]

### Question 6

(i) Mention any two characteristics of Tropical Evergreen forests. [2]

(ii) Name the forest which is found in the delta of the river Ganga. Name two trees which are found here. [2]

iii) Give geographical reasons for the following: [3]

- a. Xerophytic plants have long roots.
- b. Forests prevent floods.
- c. Tropical deciduous forests are commercially most exploited.

(iv) Give three reasons why we must conserve our forests. [3]

### Question 7:

- (i) Mention two conditions necessary for the construction of wells. [2]
- (ii) Define: [2]
  - (a) Surface water
  - (b) Ground Water

(iii) Mention one advantage of canals and two disadvantages of tanks. [3]

(iv) A three-day event titled, "Tamil Nadu water week 2023", organised by DHAN Foundations conservation wing Vayalagam Tank- Fed Agriculture Department Programme, will be held in Madurai. -THE HINDU

Mention three ways by which you as an individual can conserve water in Tamil Nadu. [3]

### Question 8:

(i) Shobha visited a coal field in Jharkhand along with her class X classmates for a survey.

- (a) Name the coal field in Jharkhand.

- (b) State one disadvantage of using it [2]
- (ii) Name the four types of iron ore found in India.[2]
- (iii)What are the advantages of using bio gas ? [3]
- (iv) Mention two advantages of using natural gas over petroleum. Name an area where natural gas is found.[3]

### Question 9

- (i)Mention any two problems faced by Indian farmers. [2]
- (ii)Differentiate between intensive and extensive farming. [2]
- (iii)With reference to rice cultivation answer the following:[3]
- (a) Name a state that produces the largest quantity of rice.
- (b) Mention any two geographical conditions necessary for its growth.
- (c) Which is the best method for its cultivation?
- (iv)(a) Mention two reasons why sugarcane cultivation is gaining importance in Peninsular India. [3]
- (b) State one problem of sugarcane growers of Uttar Pradesh.

### Question 10:

- (i) Explain the terms: (a) Agro-based Industry (b) Public Sector Industry [2]
- (ii) Mention two problems faced by the cotton textile industries [2]
- (iii) From where Tata Steel gets its supply of coal, iron ore and water supply from ?[3]
- (iv) v) What is the significance of the Electronics industry for education, entertainment and research ? [3]

### Question 11:

- (i)In the first week of December 2015, Chennai saw unprecedented flooding because of heavy rainfall. Citizens banded together to rescue others stranded in their homes as the water level rose to alarming levels. THE HINDU [2]
- (ii) How is a good transport network important for India? (Two points) [2]
- (iii) Mention two advantages of railways and one disadvantage of airways.[3]
- (iv) (a) Name the terminal stations of East West Corridor. [3]
- (b)Who looks after the construction and maintenance of the following?
1. National Highways 2. Border Roads

### Question 12:

- (i) Give two reasons why we need to manage our waste? [2]

(ii) Mention one advantage of sanitary landfill and one disadvantage of composting.[2]

(iii) Give reasons for the following: [3]

(a) We should avoid using plastics. (b) Radioactive wastes are hazardous. (c) Open dumping is not an environment friendly method of managing waste.

(iv) How will you as an individual reduce and reuse waste at home? [3]