

Pre-Board Examination : 2022-23

Class - X
Geography

Time allowed : Two Hours

Maximum Marks : 80

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 [].

To be supplied with this Paper: Survey of India Map Sheet No. G43S10 and 20 cm of twine.

Note :

- (1) In all Map Work, make wise use of arrows to avoid overcrowding of the map.
- (2) The extract of Survey of India Map Sheet No. G43S10 must not be taken out of the examination hall. It must be handed over to the supervising Examiner on completion of the paper.
- (3) The Map given at the end of this question paper must be detached, and after marking, must be fastened to your answer booklet.
- (4) All sub-sections of the questions attempted must be answered in the correct serial order.
- (5) All working including rough work should be done on the same answer sheet which is used to answer the rest of the paper.

Part – (I)

[30 Marks]

(Attempt all questions from this part)

Question 1.

Study the extract of the Survey of India Map Sheet No. 43 S/10 (Eastings 61 to 71 and Northings 26 to 36) and answer the following questions :

- (a) Give the four-figure grid reference of the following : [2]
 - (i) Anjni Devi Ka Mandir.
 - (ii) Post office near settlement Pamera.

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- (b) What do you mean by the following ? [2]
- (i) 6r in grid square 6827.
- (ii) Aqueduct in 6231.
- (c) (i) What is the pattern of drainage in grid square 6626 ? [2]
- (ii) What is the pattern of settlement in grid square 7030 ?
- (d) (i) On which bank of Sipu Nadi, Malgaon is situated ? [2]
- (ii) State the compass direction of Anadra from Pithapura.
- (e) (i) What is the direct distance between prominent surveyed tree in grid square 6434 and temple in grid square 6835 ? [2]
- (ii) Calculate the area of the region between 63 and 68 Eastings and 30 and 33 Northings.

Question 2.**On the outline map of India provided :**

- (a) Draw and label the Standard Meridian. [1]
- (b) Mark and label the rivers Ganga and Jhelum. [1]
- (c) Shade and label Coromandel coast. [1]
- (d) Shade and label Gulf of Khambhat. [1]
- (e) Mark with a dot and name Mumbai. [1]
- (f) Shade an area of alluvial soil above the Tropic of Cancer. [1]
- (g) Mark and name Karakoram Pass. [1]
- (h) Mark and name Singhbhum. [1]
- (i) Mark and label Vindhya. [1]
- (j) Shade and label an area of dense population in South India. [1]

Question 3.**Choose the correct option :****[10]**

- (a) Which is the first state to receive the monsoon showers and also the last to see its withdrawal ?
- (i) Tamil Nadu (ii) Kerala
- (iii) Rajasthan (iv) Meghalaya
- (b) What is the source of winter rainfall in Punjab ?
- (i) South-West Monsoon (ii) North-East Monsoon
- (iii) Western Disturbance (iv) Kalbaisakhi
- (c) Which of the following is ex-situ soil ?
- (i) Red Soil (ii) Black Soil
- (iii) Alluvial Soil (iv) Laterite Soil

- (d) Which is the most widespread forest of India ?
- (i) Littoral Forest (ii) Tropical Deciduous Forest
(iii) Tropical Desert Forest (iv) Tropical Evergreen Forest
- (e) Rain water harvesting system in Rajasthan is called :
- (i) Khadin (ii) Cheruva
(iii) Dongs (iv) Johads
- (f) Which is the oldest oil field of India ?
- (i) Mumbai High (ii) Digboi
(iii) Bassein (iv) Aliabet
- (g) Which state is the leading producer of groundnuts in India ?
- (i) Punjab (ii) Uttar Pradesh
(iii) Rajasthan (iv) Gujarat
- (h) Rejected cane after crushing :
- (i) Oil cake (ii) Bagasse
(iii) Press mud (iv) Molasses
- (i) Yamuna Expressway connects :
- (i) Agra-Lucknow (ii) Mumbai-Pune
(iii) Greater Noida-Agra (iv) Delhi-Gurgaon
- (j) Separation of waste into different categories is known as :
- (i) Composting (ii) Recycling
(iii) Dumping (iv) Segregation

Part – (II)

[50 Marks]

(Attempt any five questions from this Part)

Question 4.

- (a) State two important characteristic features of the monsoon rainfall in India. [2]
- (b) Why there are great variations in the climate of India ? Explain any two factors. [2]
- (c) Give a geographical reason for each of the following : [3]
- (i) Mangalore experiences more rainfall than Mysore.
(ii) Kanyakumari experiences an equable climate.
(iii) Kolkata receives heavier rain than Delhi.
- (d) Study the climate data and answer the following questions : [3]

Station	Month	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Station A	Temperature(°C)	16.0	18.0	21.3	23.3	26.1	27.8	27.4	27.9	26.7	25.1	21.1	17.2
	Rainfall(cm)	3.2	5.1	8.7	24.1	24.2	39.2	54.7	42.2	35.5	13.9	1.6	1.9

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- (c) (i) Name two states where canal irrigation is extensively used. [3]
(ii) State two reasons why tank irrigation is popular in South India.
- (d) (i) What is rain water harvesting? [3]
(ii) State two objectives of rain water harvesting.

Question 8.

- (a) (i) What grade of iron ore is mostly mined in India? [2]
(ii) Mention two uses of iron ore.
- (b) (i) Name the mineral that toughens steel and makes it rust proof. [2]
(ii) Name two states where this mineral is found.
- (c) Briefly answer the following : [3]
(i) Why is petroleum often referred to as liquid gold ?
(ii) Mention one advantage of generating power from biogas.
(iii) Copper is used to make electronic wires. Give reason.
- (d) With reference to Hydel power, answer the following : [3]
(i) Which multi-purpose project provides power to both Punjab and Himachal Pradesh ?
(ii) Where is Hirakud Dam located ?
(iii) Mention two advantages of hydel power.

Question 9.

- (a) Mention any two steps taken by the government to boost agricultural production. [2]
- (b) Differentiate between subsistence farming and commercial farming. [2]
- (c) With reference to cultivation of food crops, answer the following : [3]
(i) Cultivation of wheat is confined to the northern part of India. Why ?
(ii) Which method is the best for rice cultivation ? Why ?
(iii) Give one reason for pulses being grown extensively in India.
- (d) (i) Explain the following terms and name the crops with which each is associated : [3]
(1) Ginning (2) Retting
(ii) Why is tea grown on hill slopes?

Question 10.

- (a) Which agro based industry has a tendency to migrate towards the South India ?
Give two reasons to justify your answer. [2]

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- (b) Mention two problems of silk industry in India. [2]
- (c) With reference to the iron and steel plant in India, answer the following : [3]
- (i) Name the iron and steel industry set up with the help of a famous German firm.
- (ii) From where does the industry get its iron ore and coal ?
- (d) (i) The electronic industry contributes to the development of the country. Give reason. [3]
- (ii) Name two products of petrochemical industry.
- (iii) Mention one important center of cotton textile industry in India. Give one geographical reason for its importance.

Question 11.

- (a) (i) Why is road transport favoured in the northern plains of India ? [2]
- (ii) What is NSEW Corridor ?
- (b) Give two ways in which rail transport is useful for the people of India. [2]
- (c) Give reason for each of the following : [3]
- (i) A good transport network is important for India.
- (ii) Peninsular rivers are not ideal for navigation.
- (iii) Water transport is not as popular as land transport in India.
- (d) (i) Give two reasons why there is an increase of airway traffic in recent years. [3]
- (ii) Give two disadvantages of airways.

Question 12.

- (a) Give two reasons why there is a need for safe waste disposal. [2]
- (b) Define the following terms : [2]
- (i) Composting (ii) Recycling
- (c) What is sanitary landfill ? Mention two advantages of it. [3]
- (d) How will you as an individual reduce and reuse waste at home ? [3]