

**ICSE Board
Class X Geography
Board Paper – 2013**

Time: 2 hrs

Total Marks: 80

General Instructions:

1. Answers to this paper must be written on the paper provided separately.
2. You will **not** be allowed to write during the first **15** minutes.
3. This time is to be spent in reading the question paper.
4. The time given at the head of the paper is the time allotted for writing the answers.
5. Attempt **all** questions from Part I (compulsory) and any **five** questions from Part II, **two** out of **three** questions from **Section A** and **three** out of **five** questions from **Section B**.
6. The intended marks of questions or parts of questions are given in brackets [].

PART – I (30 Marks)

Part-A

Question 1

Study the extract of the Survey of India Map sheet No. 45D/7 and answer the following questions:

- a) Give the six figure grid reference of : [2]
 - i. Triangulated height 217
 - ii. lined well near Chekhla.
- b) i. Name the left bank tributary of the main river. [2]
ii. State the direction in which this left bank tributary is flowing.
- c) i. Mention a special feature associated with the streams in grid square 9879. [2]
ii Name the types of drainage pattern found in grid square 9374.
- d) Give four grid reference of each of the following: [2]
 - i. Open scrub
 - ii. Bantawada
- e) Name two relief features that can be seen in grid square 9782 and 9574. [2]
- f) Why do you find limited cultivation in the map extract? Give two reasons for your answer. [2]
- g) What is the compass direction of Antroli (9576) and Chelkha (9281) from Sangla? [2]
- h) What type of rainfall is experienced in the region shown in the map extract? Justify your answer giving one reason. [2]
- i) Calculate the distance in kilometers along the cart track between Chitrasani (999747) and Pirojpura (978753). [2]
- j) i. What is the geographical name that you would give to the general pattern of settlement in the region shown on the map? [2]
ii Name one region shown on the map which is unsuitable for the cultivation of crops.

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

- a) Mark and name *Chennai* [1]
- b) Label the river *Godavari* [1]
- c) Shade and label the *Chota Nagpur Plateau* [1]
- d) Shade and name the *Gulf of Kachchh* [1]
- e) Mark and name the *Indo Gangetic Plains* [1]
- f) Shade and label the an area with *Red Soil* [1]
- g) Mark and *name the winds* which bring rain to Mumbai in July and August [1]
- h) Mark and name the *Satpura Range* [1]
- i) Mark and name *Jharia Coal Field* [1]
- j) Shade and label the *Northern Circar* coastal region. [1]

PART II (50 marks)(Attempt any **five** questions from this Section)**Question 3**

- a) Name two types of cyclonic systems that affect India and two areas that receive rainfall from these systems. [2]
- b) Give two important characteristics of the South West monsoon rainfall. [2]
- c) Give reasons for the following: [3]
 - i. When the Malabar Coast is receiving heavy rainfall in July, the Tamil Nadu coast is comparatively dry.
 - ii. The Northern plains of India have a continental type of climate.
 - iii. Central Maharashtra receives little rainfall.
- d) Study the climate data given below and answer the questions that follow: [3]

| Month | Jan | Feb | Mar | Apr | May | June | July | Aug | Sep | Oct | Nov | Dec |
|-------------------|------|------|------|------|-----|------|------|------|------|------|------|------|
| Temperature in °C | 23.1 | 24.8 | 26.5 | 29.2 | 32 | 32.8 | 33.1 | 32.1 | 30.5 | 29.3 | 28.7 | 26.1 |
| Rainfall cm | 15.3 | 10.1 | 0.3 | 0.1 | 1.3 | 4.5 | 6.1 | 10.2 | 10.5 | 20.1 | 16.8 | 19.0 |

- i. Calculate the annual rainfall experienced by the station.
- ii. Suggest the name of this station, giving a reason for your answer.
- iii. Name the season during which the rainfall is heaviest.

Question 4

- a) Differentiate between transported soil and In-situ soil, quoting a suitable example for each. [2]
- b) State two differences between Bhangar and Khadar soil. [2]
- c) Name the process by which Laterite soil is formed. Mention one disadvantage of this soil. [3]
- d) With reference to Red Soils in India, answer the following questions: [3]
- i. Name two states where it is found.
 - ii. State two advantages of this type of soil.
 - iii. Mention two important crops grown in this soil.

**Question 5**

- a) Mention two main characteristics of Tropical Rain Forests. [2]
- b) Name the tree, the timber of which could be used for the following: [3]
- i. A soft and white timber used for making toys and match boxes.
 - ii. A hard durable timber used for ship building and furniture making.
 - iii. A sweet smelling timber which yields an oil, used for making handicrafts.
- c) Name one region in India for each of the following: [3]
- i. Tidal forests
 - ii. Thorn and Scrub
 - iii. Explain why thorn and scrub forests are found in the above mentioned regions.
- d) Briefly explain two reasons for forests being an important natural resource. [2]

Question 6

- a) Name two states in which tube wells are extensively used. Give a reason to explain its importance as a source of irrigation. [2]
- b) Give two main reasons why water scarcity occurs in India. [2]
- c) i. Name two states where perennial canals are widely used. [3]
- ii Briefly explain two reasons for perennial canals being a popular form of irrigation in the named states.
- d) i. Name any two methods of water harvesting in India. [3]
- ii Mention any two objectives of rain water harvesting.

Question 7

- a) Name the ore of aluminium. Describe two main uses of aluminum. [2]
- b) Name any two industrial products for which limestone is used as a source of raw material. [2]
- c) i. Name two industries that use a high quantity of coal. [3]
ii Name one important area that has large coal deposits in the states of Jharkhand and West Bengal.
- d) i. Which state is the largest producer of mineral oil? [3]
ii Name two coastal and two inland oil- refineries in India.

Question 8

- a) Distinguish between intensive commercial farming and extensive commercial farming. [2]
- b) With reference to rice cultivation, answer the following questions: [2]
i. Name two leading rice producing states in the country.
ii. Give two advantages of growing rice in nurseries.
- c) i. Name two states where coffee plantations are found. [3]
ii What conditions of soil and climate are favourable for the cultivation of coffee?
- d) Explain the following in brief: [3]
i. Retting
ii. Ginning
iii. Broadcasting

Question 9

- a) Name any two large sugar producing states, one each in north and south India. [2]
- b) Name one agro based industry based in the following industrial sectors: [2]
i. Ahmedabad
ii. Mysore
- c) State three favourable conditions responsible for the growth of the jute industry in west Bengal. [3]
- d) Give geographical reasons for the following: [3]
i. The woollen industry is a localized industry in India.
ii. It is necessary to crush sugarcane within 24 hours of harvesting.
iii. Sericulture flourished in Karnataka.

Question 10

- a) i. What is the significance of the electronic industry in recent times? [2]
ii Name two cities that have leading Software Companies.
- e) Name the steel plants that were set up with the Russian collaboration. [2]
- b) Explain three reasons as to why there is a large concentration of iron and steel plants in the Chota Nagpur Region. [3]
- c) Name the industrial products for which the following centers are noted for? [2]
 - i. Gurgaon
 - ii. Perambur
 - iii. Chittaranjan

Question 11

- a) Give one disadvantage of air transport. Why is it still a popular means of transportation in India? [2]
- b) i. Give two reasons why peninsular rivers are not ideal for navigation. [2]
ii Name a port on the east coast which is often hit by cyclones during the months of October and November.
- c) i. State the main objective of the treatment of gaseous waste. [3]
ii Name two common diseases that are caused as a result of gaseous pollution.
- d) What was the cause of the following? [3]
 - i. The Bhopal tragedy
 - ii. The Minamata Disease
 - iii. The Chernobyl Disaster