

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