

**ICSE Board
Class X Geography
Board Paper – 2015**

Time: 2 hrs

Total Marks: 80

Answers to this paper must be written on the paper 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.

Attempt **all** questions from Part I (compulsory) and any **five** questions from Part II.

Part I- Question 2

On the outline map of India provided:

- | | |
|---------------------------------------------------------------------------------------------|-----|
| a) Mark and name the Nilgiris. | [1] |
| b) Shade and label the Malwa Plateau. | [1] |
| c) Shade and label the Malabar Coastal Plains. | [1] |
| d) Mark and name the River Gomati. | [1] |
| e) Mark and name the Andaman Sea. | [1] |
| f) Mark and name Allahabad. | [1] |
| g) Mark with a single arrow and name the winds that bring winter rains to North West India. | [1] |
| h) Mark and name Digboi. | [1] |
| i) Mark an area with laterite soil below the Tropic of Cancer. | [1] |
| j) Mark and name the Karakoram Pass. | [1] |

PART II (50 marks)

(Attempt any **five** questions from this Section)

Question 3

- a) Explain two factors that effect of climate of India giving a suitable example for each. [2]
- b) State two differences between the rainfalls that occur from June to September and that from December to February in North India. [2]
- c) Give a geographical reason for each of the following: [3]
 - i. Kerala has the longest rainy season.
 - ii. The Konkan coast experience orographic rainfall.
 - iii. The city of Kanpur in Uttar Pradesh has a higher range of temperature than that of Chennai in Tamil Nadu.
- d) Study the climate data given below and answer the questions that follow:

Month	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep	Oct	Nov	Dec
Temperature in °C	21.0	21.9	24.3	27.2	28.0	26.4	26.1	25.4	25.0	28.0	26.0	21.2
Rainfall cm	5.1	2.8	1.2	1.7	3.9	4.6	8.4	11.4	11.9	31.6	34.5	14.8

- i. Identify the hottest month. [3]
- ii. Calculate the annual rainfall.
- iii. Name the winds that bring the maximum rainfall to this city.

Question 4

- a) State the characteristic of each of the soils named below that makes them most suitable for crop cultivation: [2]
 - i. Black Soil
 - ii. Red Soil
- b) State the geographical term for each of the following processes: [2]
 - i. The process by which rain water, flowing in a definite paths, removes the top soil, thus causing deep cuts to the surface of the land.
 - ii. The process by which rain water, flowing in definite path removes the top soil, thus causing deep cuts to the surface of the land. [3]
- c) Define the following :
 - a. Pedogenesis.
 - b. Humus
 - c. Bhangar
 - d. Give a geographical reason for each of the following: [3]
 - i. Alluvial soil is extremely fertile.
 - ii. Need for soil conservation.
 - iii. Reforestation should be practiced extensively.

Question 5

- a) State two characteristics of Tropical deciduous forests. [2]
- b) State two reasons why Tropical Evergreen forests are difficult to exploit. [2]
- c) Identify the tree as per its characteristics mentioned below: [3]
 - i. It yields wood that is hard and scented and is usually found in high altitudes.
 - ii. It is generally found in the deltaic region and is used to make boats.
 - iii. The furniture made from this tree is generally the most expensive.
- d) Differentiate between afforestation and deforestation. State the disadvantage of deforestation. [3]

Question 6

- a) State two reasons why irrigation is important to a country like India. [2]
- b) Name two modern methods of irrigation. State one important reason for their growing popularity. [2]
- c) [3]
 - i. Why is well irrigation still a popular means of irrigation? Give two reasons to support your answers.
 - ii. State the significance of rainwater harvesting.
- d) [3]
 - i. Why is the world in danger of facing a severe water shortage in the coming future? Give two reasons to support your answer.
 - ii. State one measure the government should adopt to handle the present water crisis.

Question 7

- a) State two reasons why limestone is a valuable mineral. [2]
- b) State the most important use of the following: [2]
 - i. Iron Ore
 - ii. Bauxite
- c) Name the: [3]
 - i. The largest oil refinery in the public sector
 - ii. State that is the largest producer of coal
 - iii. Best variety of iron ore
- d) Give a geographic reason for each of the following: [3]
 - i. Many port cities have their own oil refineries.
 - ii. Petroleum is called the 'fossil fuel'.
 - iii. Coal is called a versatile mineral.

Question 8

- a) Differentiate between a Rabi crop and a Kharif crop. [2]
- b) State an important difference between the climatic requirements for growing cotton and jute. [2]
- c) Give a geographical term for each of the following: [3]
 - i. Cultivation of sugarcane from the root stock of the cane which has been cut.
 - ii. The residue left behind after the crushing of oil seeds
 - iii. The process by which latex is converted into a thick, spongy mass by adding acetic acid or formic acid
- d) Give a geographical reason for each of the following: [3]
 - i. Tea is cultivated on hill slopes.
 - ii. The yield per hectare of sugarcane is higher in the Southern states.
 - iii. Pulses are important food crops.

Question 9

- a) [2]
 - i. Why is the cotton textile industry called an agro based industry?
 - ii. Give an important reason for it being more widespread than the jute industry.
- b) [2]
 - i. State one important point of similarity between the woollen industry and the silk industry.
 - ii. Name the state that produces the most woollen and silk products respectively.
- c) [3]
 - i. State two major problems faced by the sugar industry.
 - ii. Name two by products of the sugar industry.
- d) [3]
 - i. i. State one of the main problems of the silk industry.
 - ii. Name any two products of the jute industry, other than rope and gunny bags.
 - iii. iii Why are synthetic fibers popular?

Question 10

- a) [2]
- i. Why is the iron and steel industry called a basic industry?
 - ii. Define a mini steel plant.
- b) With which large scale industry would you identify the following manufacturing centres? [2]
- i. Kanpur
 - ii. Rourkela
 - iii. Pune
 - iv. Mangalore
- c) [3]
- i. State two reasons for the growing importance in the status of petrochemical industries.
 - ii. Name two products of the petroleum industry.
- d) [3]
- i. State two conditions necessary for the setting up of a heavy engineering industry.
 - ii. Name a ship building yard on the east coast and a center for making electric locomotive.

Question 11

- a) [2]
- i. Why is the Railways an important means of transport as compared to Airways?
 - ii. State one economic benefit of the Golden Quadrilateral Project.
- b) [3]
- i. State one important difference between an expressway and a highway.
 - ii. Name the first expressway constructed in the country.
 - iii. State a reason why the Northern Rivers are more suitable for navigation than the Deccan rivers.
- c) [3]
- i. "Waste segregation is important". Give a reason to support your answer.
 - ii. Why is nuclear waste harmful?
 - iii. Explain briefly how as a student, you can help in the reduction of waste generation.
- d) [2]
- i. What is understood by biodegradable waste?
 - ii. State one source of gaseous waste.