

**ICSE**  
**Class X- Geography**  
**Board Paper 2017**

**Time: 2 hrs**

**Total Marks: 80**

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

Attempt **seven** questions in all. **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**.  
Intended marks for questions or part of questions are given in brackets [ ].

**Part –I**

**Question 2**

[10]

On an outline map of India provided:

- (a) Draw and name the Tropic of Cancer.
- (b) Label the river Godavari.
- (c) Mark and name the *Garo Hills*.
- (d) Mark C on the coal fields of Jharia.
- (e) Mark with an arrow and name the NE monsoon over the Bay of Bengal.
- (f) Shade and name the Gulf of Kutch.
- (g) Shade and name the coastal plain that receives rainfall in October and November.
- (h) Mark with a dot and name Delhi.
- (i) Shade a region with Black Cotton Soil.
- (j) Use an arrow to point at a densely populated state in South India.

**Part II (50 Marks)**

Attempt **any five** questions from **this Part**

**Question 3**

- (a) Mention the four seasons that prevail in India stating the months for each. [2]
- (b) State the agricultural benefits derived from:
  - (i) The Westerly Depressions in Punjab [2]
  - (ii) The Kalbaisakhi in Assam
- (c) Give a reason for each of the following: [3]

- (i) Kolkata receive heavier rain than Lucknow.
- (ii) The Summer Monsoon winds blows over the Arabian Sea from the South West.
- (iii) Thar is a desert

(d) Study the climatic 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 | 12.0 | 25.5 | 26.3 | 27.1 | 30.0 | 36.2 | 36.0 | 35.9 | 30.3 | 28.4 | 21.0 | 16.6 |
| Rainfall cm       | 1.5  | 0.1  | 0.0  | 1.4  | 1.1  | 21.0 | 25.3 | 27.2 | 24.0 | 9.4  | 1.5  | 0.4  |

- (i) What is the annual range of temperature of the station?
- (ii) What is the total annual rainfall experienced by the station?
- (iii) Why would it be correct to presume that the station lies in the interior and not on the coast?

#### Question 4

- (a) Mention two differences between Alluvial Soil and Black Cotton Soil. [2]
- (b) Name an area in India in which each of the following processes take place. [2]
  - (i) Sheet erosion
  - (ii) Gully erosion
- (c) What is soil conservation? State a method of soil conservation in the: [3]
  - (i) Arid and Semi-Arid region
  - (ii) River valleys prone to floods
- (d) Name the soil which : [3]
  - (i) is good for cultivation of sugarcane.
  - (ii) is acidic in nature.
  - (iii) occurs ex situ

#### Question 5

- (a) How do trees in the Tropical desert forests adapt themselves to the dry climate? [2]
- (b) Name the tree as per the characteristics given below
  - (i) The wood is hard and suitable for ship building
  - (ii) The stilt roots are underwater during high tide. [2]
- (c) Explain why the forest cover in India is shrinking? [3]
- (d) Name the natural vegetation found in the following regions: [3]
  - (i) The western slopes of the Western Ghats
  - (ii) The Nilgiris
  - (iii) Western Rajasthan

#### Question 6

- (a) Give a reason for the significance of irrigation in: [2]
  - (i) Punjab
  - (ii) Rajasthan [2]
- (b) Name a state where:

- (i) Tube wells are common
  - (ii) Tank irrigation is popular
- (c) Give one geographical reason for each of the following: [3]
- (i) Sprinkler irrigation is practiced in arid and semi-arid regions.
  - (ii) A tube well should be installed in a fertile and productive region.
  - (iii) Canal irrigation is more suitable in the Northern Plains.
- (d) Study the diagram below and answer the questions that follow: [3]



- (i) Name the activity shown in the diagram.
- (ii) Give two objectives of the activity named in (d) (i).

### Question 7

- (a) Give the names of four important iron ores found in India. [2]
- (b) Name the following: [2]
- (i) An offshore oil field in the Gulf of Cambay.
  - (ii) An oil refinery in Bihar.
- (c) (i) Name the state that produces the largest amount of limestone. [3]
- (ii) State the two uses of limestone
- (d) State an important industrial use of: [3]
- (i) Manganese
  - (ii) Coal
  - (iii) Aluminum

### Question 8

- (a) What is mixed farming? Mention any one benefit of mixed farming. [2]
- (b) Give the Geographical requirement for the cultivation of Sugarcane. [2]
- (c) Explain the following terms and name the crop with which each one is associated: [3]
- (i) Retting
  - (ii) Ratooning
  - (iii) Ginning
- (d) Give geographical reason for the following: [3]
- (i) Regular pruning is essential for tea bushes.
  - (ii) Coffee beans are roasted.
  - (iii) Millets are known as dry crops.

### Question 9

- (a) Differentiate between mineral based industry and agro based industry giving one example for each. [2]

- (b) Though Uttar Pradesh has the largest number of sugar mills yet Maharashtra is the largest producer of sugar. Give any two reasons to justify the statement. [2]
- (c) Give the geographical term for each of the following: [3]
- (i) Non- mulberry silk produced in Madhya Pradesh.
  - (ii) Rejected cane after crushing.
  - (iii) The rearing of silk worms to obtain silk.
- (d) With reference to cotton textile industry answer the following: [3]
- (i) Give two reasons why Mumbai is an important cotton textile industry.
  - (ii) Mention two more important centers of cotton textile industry in India.

### Question 10

- (a) The Iron and Steel industry constitutes the backbone of modern industrial economy'. Give two reasons to justify the statement. [2]
- (b) (i) Name an iron and steel industry set up in Orissa with the help of a famous German firm. [2]
- (ii) From where does the industry named in b(i) get its iron ore and manganese? [2]
- (c) Name a manufacturing center for each of the following industries: [3]
- (i) Aircraft
  - (ii) HMT
  - (iii) Railway coaches
- (d) Name two products each of the following: [3]
- (i) petrochemical industry
  - (ii) heavy engineering industry
  - (iii) electronic industry

### Question 11

- (a) Mention two reasons why more people use railways rather than airways. [2]
- (b) Why is inland waterway declining in its importance? [2]
- (c) What do you mean by the following: [3]
- (i) Sewage
  - (ii) Eutrophication
  - (iii) Recycling
- (d) 'Methane is an air pollutant that causes Greenhouse effect'. Name three sources of this gas. [3]