



# ICSE Paper 2013

## GEOGRAPHY

(Two hours)

*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 **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**.*

*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. 45D/7 and 20 cm of twine.*

### **Note:**

- (i) In all Map Work, make wise use of arrows to avoid overcrowding of the map.
- (ii) The extract of Survey of India Map Sheet No. 45D/7 must not be taken out of the examination hall. It must be handed over to the Supervising Examiner on completion of the Paper.
- (iii) The Map given at the end of this question paper must be detached, and after marking must be fastened to your answer booklet.
- (iv) All sub-sections of the questions attempted must be answered in the correct serial order.
- (v) 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. 45D/7 and answer the following questions:**

- (a) Give the six figure grid reference of:

LETSTUDY.

- (i) Triangulated height 217
- (ii) A lined well near-Chekhla. [2]

- (b) (i) Name the left bank tributary of the main river.
- (ii) State the direction in which this left bank tributary is flowing. [2]

- (c) (i) Mention a special feature associated with the streams in grid square 9879.
- (ii) Name the types of drainage pattern found in grid square 9382. [2]

- (d) Give the four grid reference of each of the following :
  - (i) Open scrub
  - (ii) Bantawada [2]

- (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 Chekhla (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 kilometres 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 settlements in the region shown on the map ?
- (ii) Name one region shown on the map which is unsuitable for the cultivation of crops. [2]

## **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 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 the Jharia Coal Field. [1]
- (j) Shade and label the Northern drear coastal region. [1]

## PART II [50 Marks]

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

### 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 :

- (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. [3]

(d) Study the climatic data given below and answer the questions that follow :

Months	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Temperature °C	23.1	24.8	26.5	29.3	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
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- (i) Calculate the annual rainfall experienced by the station.
- (ii) Suggest a name of this station, giving a reason for your answer.
- (iii) Name the season during which the rainfall is heaviest. **[3]**

**Question 4:**

**(a)** Differentiate between Transported soil and In situ soil, quoting a suitable example for each. **[3]**

**(b)** State two differences between Bhangar and Khadar. **[2]**

**(c)** Name the process by which Laterite soil is formed. Mention one disadvantage of this soil. **[2]**

**(d)** With reference to Red soils in India, answer the following questions :

- (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:

- (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. **[3]**

**(c)** (i) Name one region in India for each of the following:

- (1) Tidal forests.
- (2) Thorn and Scrub.

(ii) Explain why Thorn and Scrub forests are found in the above mentioned region. **[3]**

**(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.

(ii) Briefly explain two reasons for perennial canals being a popular form of irrigation in the named states. **[3]**

**(d)** (i) Name two methods of water harvesting in India.

(ii) Mention any two objectives of rain water harvesting. **[3]**

**Question 7:**

**(a)** Name the ore of aluminium. Describe two main uses of aluminium. **[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.

(ii) Name one important area that has large coal deposits in the states of Jharkhand and West Bengal. **[3]**

**(d)** (i) Which state is the largest producer of mineral oil ?

(ii) Name two coastal and two inland oil-refineries in India. **[3]**

**Question 8:**

**(a)** Distinguish between intensive commercial farming and extensive commercial farming. **[2]**

**(b)** With reference to rice cultivation, answer the following :

(i) Name two leading states in the production of rice.

(ii) Give two advantages of growing rice in nurseries. **[2]**

**(c)** (i) Name two states where coffee plantations are found.

(ii) What conditions of soil and climate are favourable for the cultivation of coffee ? **[3]**

**(d)** Explain in brief the following:

(i) Retting

- (ii) Ginning
- (iii) Broadcasting [3]

**Question 9:**

**(a)** Name any two large sugar producing states, one each in north and south India. [2]

**(b)** Name an agro-based industry based in the following industrial centres:

- (i) Ahmedabad
- (ii) Mysore [2]

**(c)** State three favourable conditions responsible for the growth of the jute industry in West Bengal. [3]

**(d)** Give geographical reasons for the following:

- (i) The woollen industry is a localized industry in India.
- (ii) It is necessary to crush sugar cane within 24 hours of harvesting.
- (iii) Sericulture flourished in Karnataka. [3]

**Question 10:**

**(a)** (i) What is the significance of the electronics industry in recent times ?  
(ii) Name two cities that have leading software companies. [2]

**(b)** Name the steel plants that were set up with Russian collaboration. [2]

**(c)** Explain three reasons as to why there is a large concentration of iron and steel plants in the Chota Nagpur region. [3]

**(d)** What industrial product are the following centres noted for ?

- (i) Gurgaon
- (ii) Perambur
- (iii) Chittaranjan. [3]

**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.  
(ii) Name a port on the east coast which is often hit by cyclones during the

months of October and November. **[3]**

**(c)** (i) State the main objective of the treatment of gaseous waste. **[1]**  
(ii) Name two common diseases caused as a result of gaseous pollution. **[1]**

**(d)** What was the cause of the following ?  
(i) The Bhopal Tragedy.  
(ii) The Minamata Disease.  
(iii) The Chernobyl Disaster. **[3]**