

**GEOGRAPHY**  
**H.C.G. - Paper – 2**

(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/10  
and 20 cm of twine.*

**Note:**

- (i) *In all Map Work, by a wise use of arrows to indicate positions of countries, cities and other insertions that you make, you will be able to avoid overcrowding parts of the map.*
- (ii) *The extract of Survey of India Map Sheet No. 45D/10 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 fastened to your answer booklet.*
- (iv) *All sub-sections of each question must be answered in the correct serial order.*
- (v) *All working including rough work should be done on the same answer sheet as the rest of the answer.*

---

**This Paper consists of 6 printed pages and 1 outline map.**

**T11 502**

**© Copyright reserved.**

**Turn over**

## PART I (30 Marks)

*Attempt all questions from this Part*

### Question 1

Study the extract of the Survey of India Map sheet No. **45D/10** and answer the following questions:

- (a) Give the six figure grid reference of:
  - (i) the brick kiln
  - (ii) the temple near Asav. [2]
- (b) What is the difference in the pattern of drainage in grid square 0916 and in 0712? [2]
- (c) Give the four figure grid reference of each of the following:
  - (i) Stony waste
  - (ii) Open scrub. [2]
- (d) Calculate the distance in kilometres along the metalled road between the causeways in grid square 0512 and 0808. [2]
- (e) (i) What do the tiny curved black lines in grid square 0315 indicate?
  - (ii) What is the main cause for this feature? [2]
- (f) (i) What is the geographical name that you would give to the general pattern of settlements in the region shown on the map?
  - (ii) Give a reason for your answer. [2]
- (g) What is the general direction of flow of the Sipu Nadi, given in the map extract? Give a reason to support your answer. [2]
- (h) Name two probable occupations of the people in the settlement of Revdar in grid square 0313 and 0413. [2]
- (i) What kind of roads connect (i) Marol with Mitani and (ii) Revdar with Karaunti respectively? [2]
- (j) Give two reasons to show that the area depicted in the map experiences seasonal rainfall. [2]

### Question 2

On the outline map of India provided:

- (a) mark and name *Kochi* [1]
- (b) label the river *Krishna* [1]



- (c) shade and label the *Malwa Plateau* [1]
- (d) mark and label the *Konkan Coast* [1]
- (e) shade and label the *Gulf of Mannar* [1]
- (f) shade and label *an alluvial soil area* in Peninsular India [1]
- (g) mark with arrows the direction of the *Arabian Sea branch of South West Monsoon Winds* [1]
- (h) shade and label the *Western Ghats* [1]
- (i) mark the *Jharia coal field* [1]
- (j) shade and name a *densely populated area*. [1]

## PART II (50 Marks)

*Attempt any five questions from this Part*

### Question 3

- (a) Give two important characteristics of the summer monsoon rainfall in India. [2]
- (b) 'Rainfall in India is Orographic in nature.' Give an example with reference to the distribution of rainfall and the effect of relief on its distribution. [2]
- (c) Give a reason to explain why —
  - (i) the coastal areas of India do not experience a significant variation in temperature between summer and winter months
  - (ii) the annual rainfall in Rajasthan is less than 25 cm
  - (iii) the Coromandel coast gets most of its rain during the winter season. [3]
- (d) Study the climatic data given below and answer the questions that follow:

Month	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Temperature °C	24.5	25.7	27.7	20.4	30.0	32.5	31.0	30.2	29.8	28.0	25.9	24.7
Rainfall cm	4.6	1.8	1.3	1.8	3.8	4.5	8.7	11.3	11.9	30.6	35.0	13.9

- (i) Name the driest month
- (ii) Calculate the annual rainfall experienced by the station
- (iii) What is the annual range of temperature? [3]

#### Question 4

- (a) Name two states in India where Regur soil is found.  
In what way does Regur soil help agriculture? [2]
- (b) Mention two main characteristics of Laterite soil. [2]
- (c) State the difference between Alluvial soils found in the lower courses and the upper courses of rivers. [3]
- (d) Name two important agents of erosion.  
For each, state one method of controlling the erosion caused. [3]

#### Question 5

- (a) What are 'Tidal forests'? Name two typical trees found there. [2]
- (b) Write two main characteristics of the Deciduous Monsoon Forests. [2]
- (c) Name the type of forests found in the western part of the Western Ghats.  
Give two reasons why these forests are so named. [3]
- (d) Mention three methods for the conservation and development of forests in India. [3]

#### Question 6

- (a) Name two states in which well irrigation is widely used.  
Mention one advantage of well irrigation in India. [2]
- (b) Mention two disadvantages of *tank irrigation*. [2]
- (c) Give three reasons to justify the need to conserve water. [3]
- (d) Mention any three water harvesting systems practised in India. [3]

#### Question 7

- (a) What grade of iron-ore is mostly mined in India?  
Name two leading iron-ore producing states. [2]
- (b) What is lignite? Name the two areas where lignite is found in India. [2]
- (c) Name the leading producer of manganese in India.  
Name two important industrial uses of manganese. [3]
- (d) Name the two states where limestone is found.  
Mention two important uses of limestone. [3]



**Question 8**

- (a) Mention any two problems of agriculture in India. [2]
- (b) State two geographical requirements for the growth of wheat in India. [2]
- (c) With reference to the cultivation of coffee in Southern India
  - (i) Name the two varieties of coffee plants grown on commercial scale
  - (ii) Why are coffee estates inter-planted with orange trees, cardamom and pepper vines?
  - (iii) Name one state where coffee is grown extensively. [3]
- (d) Explain the following terms:
  - (i) Withering
  - (ii) Plantation Farming
  - (iii) Drilling [3]

**Question 9**

- (a) Name and define two important by-products of the sugar industry. [2]
- (b) Give two reasons why the state of Punjab is the largest producer of woollen textiles. [2]
- (c) Mention three main problems of the Jute textile industry in India. [3]
- (d) With reference to the cotton textile industry:
  - (i) Which is the country's most important manufacturing centre?
  - (ii) State two geographical reasons for its importance. [3]

**Question 10**

- (a) Which iron and steel industry of India is located away from the main coal areas? What is the main source of energy in the absence of coal? [2]
- (b) Give two geographical reasons for the growth of IT industries in Bangalore. [2]
- (c) With reference to the Bokaro Steel Plant, from where does it get its
  - (i) coal
  - (ii) iron ore
  - (iii) water supply? [3]

- (d) Name one important centre each for the production of the following:
- (i) Tractors
  - (ii) Electronic goods
  - (iii) Petro chemicals. [3]

**Question 11**

- (a) Why is road transport favoured in the northern plains of India? [2]
- (b) Give reasons to explain the lack of rail transport in Northern India. [2]
- (c) Name the following:
- (i) An important inland waterway of north east India
  - (ii) One expressway with its terminal cities
  - (iii) A major port which is not located on the sea coast and is at a distance of 128 km from the coast along the banks of a river. [3]
- (d) Mention two advantages and one disadvantage of air transport. [3]

Name .....Index No. ....

(This map, if used, must be fastened with all other answers)

**Map of India for Question 2.**

