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**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.*

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*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 [ ].*

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*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.*

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

**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) Name and give the four figure grid reference of a settlement where the people of the region meet at least once a year. [1]
- (b) What does the conventional symbol at grid reference 145132 mean? [1]
- (c) If a man were to walk from Gulabganj (1820) to Harmatiya (1916):
  - (i) In which direction would he be walking?
  - (ii) Which are the two different kinds of roads that he would be using? [3]
- (d) What do the following numbers in grid square 1718 & 1818 mean?
  - (i) 280
  - (ii) 281 [2]
- (e) What are the *two* differences between the settlement Bamba in 1914 and those in 1813? [2]
- (f) Name *four* facilities that Anadra has which makes it an important settlement. [2]
- (g) What is the quickest means of communication for the people of Dabani (1313)? [1]
- (h) What do the following mean:
  - (i) brackish in 1915
  - (ii) causeway in 1715
  - (iii) 6r in 1218? [3]
- (i) Mention *two* factors which support the following:
  - (i) The Sipu river is in its middle course
  - (ii) The rainfall in the region shown in the map extract is seasonal. [4]
- (j) What is the distance in kilometres between the distance stone 20 in 1818 and the causeway in 1715 along the metalled road? [1]

### Question 2

On the outline map of India provided:

- (a) Draw, name and number the *Tropic of Cancer* [1]
- (b) Label the *river Narmada* [1]
- (c) Shade and name *Lake Chilka* [1]
- (d) Mark and name the *Aravali Mountains* [1]
- (e) Mark and name the *Karakoram Pass* [1]
- (f) Shade and name a *densely populated state* in South India [1]
- (g) Shade and name a *region* with black soil [1]
- (h) Mark with a dot and name *Srinagar* [1]
- (i) Mark and name the winds which bring rain in winter to the *Coromandel Coast* [1]
- (j) Name and print O on an *oilfield* in North-east India. [1]

### PART II (50 Marks)

*Attempt any five questions from this Part*

### Question 3

- (a) (i) Name the type of climate prevailing over India.  
(ii) Mention any *two* factors responsible for it. [2]
- (b) What is the direction of the summer monsoon? Why? [2]
- (c) Give geographical reasons for the following:
  - (i) Even in summer Shimla is cooler than Delhi.
  - (ii) The northern plains of India do not freeze in winter.
  - (iii) Kochi has a lesser annual range of temperature than Agra. [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	23.8	25.0	27.7	28.3	30.2	30.3	30.4	30.3	30.0	30.3	25.5	24.2
Rainfall cm	0	0	1.1	1.5	2.1	45.3	46.5	45.4	43.3	20.1	3.0	0.1

- (i) Calculate the mean annual temperature.
- (ii) What is the total rainfall during the monsoon season?
- (iii) Does the station have a maritime or a continental climate?  
Give a reason for your answer. [3]

**Question 4**

- (a) State *two methods* of controlling the erosion of soil caused by running water. [2]
- (b) Mention *two differences* in the alluvial soil of the northern plains and the alluvial soil on the coastal plains of India. [2]
- (c) Mention *any three* characteristics of black soil which makes the soil fertile. [3]
- (d) Give geographical reasons for the following:
  - (i) Laterite soil is not suitable for cultivation
  - (ii) Red soil is red in colour
  - (iii) *Khadar* soils are preferred to *Bangar* soils. [3]

**Question 5**

- (a) Mention *two* reasons why Tropical Evergreen Forests are difficult to exploit for commercial purposes. [2]
- (b) Give *two* characteristics of tidal forests. [2]
- (c) Mention *three* reasons why forests must be conserved. [3]
- (d) Name any *three* trees found in monsoon deciduous forests and state *one* use of each of these trees. [3]

**Question 6**

- (a) Mention *two* advantages of rainwater harvesting. [2]
- (b) Why are inundation canals being converted to perennial canals? Give *two* reasons. [2]
- (c) Give *two* advantages and *one* disadvantage that tube wells have over surface wells. [3]
- (d) Where are tanks most widely used in India? Why? [3]

**Question 7**

- (a) (i) Name *two* leading states producing Manganese.
  - (ii) Name *one* use of the mineral. [2]
- (b) (i) Name *two* varieties of iron ore used in industry.
  - (ii) How is the low grade iron ore utilized? [2]



- (c) Give geographical reasons why:
- (i) Anthracite is used for domestic purposes
  - (ii) Oil refineries are located close to oil fields or near ports
  - (iii) the location of coal fields is an important factor in industrial development. [3]
- (d) Name the mineral:
- (i) which is converted to aluminium
  - (ii) which is used in the manufacture of cement
  - (iii) the largest deposits of which are found in Balaghat in Madhya Pradesh. [3]

#### Question 8

- (a) What is the importance of agriculture in India? Mention *two* factors. [2]
- (b) Name a state which produces short staple cotton. Which climatic and soil conditions favour the cultivation of cotton in the state mentioned? [2]
- (c) Give geographical reasons for the following:
- (i) Jute has to be retted
  - (ii) Tea is grown on hill slopes.
  - (iii) Silver oak and banana trees are grown on coffee plantations. [3]
- (d) Explain the following:
- (i) The propagation of rubber by the bud grafting method.
  - (ii) The propagation of sugar cane by ratooning.
  - (iii) The propagation of paddy by transplantation. [3]

#### Question 9

- (a) Give *two* reasons why the woollen industry has not developed as well as the cotton industry in India. [2]
- (b) State *two* factors which favour the silk industry in Karnataka. [2]
- (c) Mention *three* problems of the sugar industry in India. [3]
- (d) In what way does the cotton industry contribute to the economy of India? Mention any *three* relevant factors. [3]

#### Question 10

- (a) What are petrochemicals?  
Name any *two* products made from petrochemicals. [2]
- (b) Why has the electronics industry grown in importance? [2]
- (c) Mention *three* advantages that a mini steel plant has over an integrated steel plant. [3]
- (d) Name:  
(i) A city on the east coast of India which has a ship building yard.  
(ii) The iron and steel plant set up with German collaboration.  
(iii) A city which has a plant manufacturing Maruti cars. [3]

#### Question 11

- (a) Why has the importance of inland waterways declined?  
Give any *two* reasons. [2]
- (b) Name *two* areas where helicopter services may be used? [2]
- (c) Mention any *three* problems being faced by the Indian Railways. [3]
- (d) What is the Golden Quadrilateral? Mention any *two* ways in which it will help in the economic development of the country. [3]

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

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

Map of India for Question 2.

