

GEOGRAPHY
H.C.G. - Paper – 2
(Two hours)

Answers to this Paper must be written on the answer sheet 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* for: [2]
- (i) Δ 268
- (ii) Temple south east of Khara
- (b) Name the following: [2]
- (i) The *drainage pattern* seen in 9185.
- (ii) The *pattern of settlement* seen in 9787.
- (c) What do the following symbols mean? [2]
- (i) 3r in 9089.
- (ii) 200 in 9383.
- (d) Name two *types of vegetation* found in the *region east of easting 93*. [2]
- (e) Give *two evidences* which suggest that the rainfall received in the region shown on the map extract is *seasonal*. [2]
- (f) Calculate the area of the region between *85 – 90 northing* and *90 – 95 easting*. [2]
Give your answer in *kilometer*.
- (g) Mention any **two** manmade features and **two** natural features in grid square **9080**. [2]
- (h) What is the *direct distance* in *kilometers* between the **surveyed** tree west of Rampura (9580) to the **chhatri** in Juvol (9282)? [2]
- (i) Mention: [2]
- (i) The most commonly used *means of transport* in the area shown on the map extract.
- (ii) The *main occupation* of the people of the region in the *south eastern part* of the map extract.
- (j) (i) What is the *compass direction* of Rampura (9580) from Karja (9781)? [2]
- (ii) Identify the landform marked by contours in 9782.

Question 2

On the outline map of India provided:

- (a) Shade and label *Thar desert*. [1]
- (b) Label the river *Narmada*. [1]
- (c) Shade and name the *Wular lake*. [1]
- (d) Shade and label *Kanara coast*. [1]
- (e) Mark and name *Mount Kanchenjunga*. [1]
- (f) Shade and label a densely-populated region in India. [1]
- (g) Shade and label a region with Red soil in India. [1]
- (h) Mark with a dot and name *Chennai*. [1]
- (i) Mark and label the Arabian Sea branch of S.W. Monsoon. [1]
- (j) Mark with a dot and name *Singhbhum*. [1]

PART II (50 Marks)

Attempt any five questions from this Part

Question 3

- (a) How is the *winter rainfall* of the **northwest part** of India different from the *winter rainfall* of the **southeast part** of India? [2]
 - (b) (i) Name a *state* that is the **first** to experience the *onset of the monsoon*. [2]
(ii) How does the "Mango shower" influence the state of *Karnataka*?
 - (c) Give a reason for each of the following: [3]
 - (i) *Kanyakumari* experiences equable climate.
 - (ii) *Central Maharashtra* gets less rainfall than the *coastal area of Maharashtra*.
 - (iii) *Jaipur* has a higher annual range of temperature than *Mumbai*.
 - (d) Write three differences between summer monsoon season and retreating monsoon season. [3]
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Question 4

- (a) (i) Why does *alluvial soil* differ in texture? [2]
(ii) State two cash crops that grow well in alluvial soil.
- (b) With reference to **black soil** answer the following: [2]
(i) Name one important crop which grows in this soil.
(ii) Give one *chemical property* of this soil.
- (c) Give one geographical reason for each of the following: [3]
(i) Red soil requires irrigation.
(ii) Afforestation prevents soil from getting eroded.
(iii) Laterite soil is red in colour.
- (d) (i) What is soil erosion? [3]
(ii) Mention two causes of soil erosion in India.

Question 5

- (a) (i) Name an area in India where Tropical Monsoon forest is found. [2]
(ii) How is this forest of great commercial value to India?
- (b) With reference to Littoral forest, answer the following questions: [2]
(i) Why do the trees in this forest grow aerial roots?
(ii) Name one area in India where this forest is found.
- (c) (i) Name a state in India where thorn and scrub forest is found. [3]
(ii) Give two ways by which the trees that are found here have adapted to the climate.
- (d) (i) Give two ways in which forests are important. [3]
(ii) Mention one forest conservation method followed in India.

Question 6

- (a) There is plenty of rain in India during the rainy season, yet we need irrigation. [2]
Give two reasons to support this statement.
- (b) (i) Name three traditional means of irrigation. [2]
(ii) Give a reason why traditional means of irrigation are still important in most parts of India.
- (c) (i) Differentiate between Surface water and Ground water. [3]
(ii) Mention two reasons to explain as to why we are facing water scarcity in recent times.
- (d) (i) What is rain water harvesting? [3]
(ii) What are the advantages of rain water harvesting?
(iii) Name two water harvesting systems practised in India.

Question 7

- (a) Give two advantages that non-conventional energy sources have over conventional energy sources. [2]
- (b) (i) Mention one advantage of the use of natural gas over coal or petroleum. [2]
(ii) Name one off shore oil field of India.
- (c) Answer the following: [3]
(i) State one *industrial use* of copper.
(ii) Mention *one advantage* of generating power from *bio-gas*.
(iii) Name the mineral that toughens steel and makes it rust-proof.
- (d) (i) Name the *metal* obtained from Bauxite. [3]
Give any one use of the metal mentioned by you.
(ii) Which multi-purpose project provides power to both Punjab and Himachal Pradesh?

Question 8

[2]

(a) With reference to the cultivation of tea answer the following:

(i) Why is tea grown on hill slopes?

(ii) Why tea bushes have to be pruned at regular intervals?

[2]

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

(i) Why does the cultivation of rice require a lot of manual labour?

(ii) Mention two *geographical conditions* which suit the cultivation of rice.

[3]

(c) Give a geographical reason for each of the following:

(i) Cotton is a labour intensive crop.

(ii) Jute is retted after it has been harvested.

(iii) The growing of pulses is important in India.

(d) (i) Why is agriculture important in India?

[3]

(ii) Name the two main agricultural seasons of India.

(iii) What is mixed farming?

Question 9

(a) (i) Name the *private sector* iron and steel plant of India.

[2]

(ii) From where does it get its supply of:

1. Iron ore

2. Manganese

3. Coal?

(b) Mention any two problems faced by the cotton textile industry of India.

[2]

(c) Give a geographical reason for each of the following:

[3]

(i) *Silk industry* is doing particularly well in Karnataka.

(ii) *Petrochemical products* are gaining popularity in modern times.

(iii) The *electronics industry* is proving to be an asset for our country in the field of education.

- (d) Name the following: [3]
- (i) A city most famous for electronics and hence called "The Electronics Capital of India".
 - (ii) The location of an iron and steel industry set up with *German collaboration*.
 - (iii) A by-product of sugar industry which is used in the manufacture of wax and shoe polish.

Question 10

- (a) Give two reasons for the "*means of transport*" being called the lifelines of a nation's economy. [2]
- (b) Give two ways in which *rail transport* is useful for the people of India. [2]
- (c) (i) State one advantage of *inland waterways*. [3]
(ii) State one advantage of *roadways*.
(iii) State one disadvantage of *water transport*.
- (d) Give three reasons as to why *airways* are becoming a popular means of transport in modern India. [3]

Question 11

- (a) Give two reasons as to why there is a need for safe waste disposal. [2]
- (b) How can waste be reused? Explain with the help of an example. [2]
- (c) Mention one way in which waste accumulation has an effect on the following: [3]
(i) aquatic life
(ii) terrestrial life
(iii) landscape
- (d) What do you mean by the following terms? [3]
(i) Segregation.
(ii) Composting.
(iii) Dumping.
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