



GUNDECHA EDUCATION ACADEMY

COMMON PRELIMINARY EXAMINATION 2018-2019

STD: X
(2 hours)

DATE: 16.01.19
Marks: 80

GEOGRAPHY

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

Answer 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. []

This paper consists of 5 printed pages

*To be supplied with this Paper: - Survey of India Map Sheet No. 45D/10 (-Page no - 38)
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 Sheet No. 45 D/10 must not be taken out of the examination hall. It must be handed over to the Supervising Examiner on the completion of the paper.

(iii) The Map given must be fastened with 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.

Part 1 (30 marks)

(Attempt all question from this part)

Question 1

Study the Survey Map of India Sheet No 45 D/10 (Eastings 11-21 and Northings 13-23) and answer the following questions:

- a) Give four figure grid reference for the following: [2]
 i. LY
 ii. Dhandpur settlement.
- b) If a pipeline needs to be laid down between tanks present in 1317 and 1517 suggest the direction of flow of water between these two tanks. give reason for the same. [2]
- c) Mentioned any two occupations of the people living in Anadra. [2]
- d) Give six figure grid reference for the following: [2]
 i. Survey tree 286 in south.
 ii. Isolated hut in grid 1514
- e) Explain the meanings of the following: [2]
 i. 3r in grid square 1615
 ii. 5r in grid square 1513.
- f) Calculate the total area of a given map extract. [2]
- g) Identify the scale 1:50,000 and explain the meaning of 1:50,000 printed on the given map extract. [2]
- h) Name the settlement where people are meeting once a year for a cultural event. Write the four figure grid reference of the same. [2]
- i) Identify the drainage pattern in following grid square. [2]
 i. 2013
 ii. 2017
- j) Name the settlements: [2]
 i. On the left bank of Sipu Nadi.
 ii. On the right bank of Devangan Nadr.

Question 2

On the outline map of India provided:

- a) River Sutlej. [1]
 b) Aravalli range. [1]
 c) Northern Circars. [1]
 d) Mark an area of laterite soil. [1]
 e) Mineral rich plateau of India. [1]
 f) South West Monsoon Bay of Bengal Branch. [1]
 g) Jharia. [1]
 h) Tropic of Cancer. [1]
 i) Wular lake. [1]
 j) Commercial capital of India. [1]

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Part II (50 marks)
(Attempt any five questions from this part)

Question 3

- a) Name the area in India which receives rainfall from the Western Disturbances. State the importance of this rainfall. [1]
- b) Give two important characteristics of the summer monsoon rainfall in India. [2]
- c) Give reasons for the following: [1]
- The latitudinal extent of India is responsible for the variation in the climatic conditions which prevail in the country.
 - Srinagar is cooler than Jammu.
 - The city of Kanpur in Uttar Pradesh has a higher range of temperature than that of Chennai in Tamil Nadu.
- d) Study the climatic data of station given below and answer the questions that follow: [3]

Month	J	F	M	A	M	J	J	A	S	O	N	D
Temp (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 (in 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

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

Question 4

- a) Explain the following terms: [2]
- Pedogenesis.
 - In Situ soil.
- b) How is red soil formed? State two reasons for the low productivity of red soil. [2]
- c) Give reasons for the following: [3]
- Khadar soil is very fertile.
 - Black soil does not get leached.
 - Laterite soil is not suitable for cultivation.
- d) Name two important agents of erosion. For each, state one method of controlling the erosion caused. [3]

Question 5

- a) Mention any two protective functions of the forests. [2]
- b)
 - Why do we need to conserve forests in India? [2]
 - Suggest some measures to do so. [2]

c) Identify the trees as per its characteristics mentioned below: [1]

- i. It is generally found in deltaic regions and is used to make boats.
- ii. The furniture made from the wood of this tree is generally most expensive.
- iii. A sweet smelling timber which yields oil, used for making handicrafts.

d) Give reasons for the following: [3]

- i. Littoral forests are also known as tidal forests.
- ii. Trees found monsoon forests shed their leaves during dry season.
- iii. Forests increases the fertility of soil.

Question 6

a) Explain the following terms: [2]

- i. Catchments.
- ii. Irrigation.

b) Give reasons for the following: [2]

- i. Tube wells are better than wells.
- ii. Sprinkler irrigation is gaining popularity in recent times.

- c)
- i. Name two states where perennial canals are widely used.
 - ii. Give two reasons to support your answer. [3]

d) Environmental activists have been urging the need to conserve water. With reference to this statement state the importance of water conservation. [3]

Question 7

a) Name the following: [2]

- i. Largest integrated Aluminium plant
- ii. Low grade coal.

b) Write two industrial uses of Copper. [2]

c) With reference to petroleum, answer the following questions: [3]

- i. Why is the availability of petroleum said to be limited?
- ii. Write any two uses of petroleum.

d) Write the aims of Bhakra Nangal Project. [3]

Question 8

- a) Name the crops cultivated by using the following methods: [2]
i. Retting. ii. Racon cropping.
- b) Mention any two problems of agriculture in India. [2]
- c) Give reasons for the following. [3]
i. Silver oak and banana trees are grown on coffee plantations.
ii. Sugar cane production is increasing in Maharashtra.
iii. Tea bushes are pruned at regular intervals.
- d) Write three differences between subsistence farming and commercial farming. [3]

Question 9

- a) Write two by products associated with sugar industry (any two). State one use of each. [2]
- b) Name any one agro-based industry and one animal based industry found in the following industrial centres. [2]
i. Ahmedabad. ii. Mysore.
- c) Give reasons for the following: [3]
i. Iron and steel industry mainly concentrated in the north-eastern part of the Deccan plateau.
ii. Petrochemical products are becoming more popular.
iii. Electronic industries have been developed in large scale in Bengaluru.
- d) With which large scale industry would you identify the following manufacturing centres? [3]
i. Kanpur.
ii. Rourkela.
iii. Pune.

Question 10

- a) i. What are national highways?
ii. Name the organisation which develops and maintains the national highways in India. [2]
- b) Give one disadvantage of air transport. Why it is still popular means of transport in India? [2]
- c) Give reasons for the following: [3]
i. Inland waterways are declining its importance in India.
ii. Roadways are always considered more important than any other means of transportation.

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iii. Indian railways are converting all the meter gauges into broad gauges

d) Name the following: [4]

- i. Helicopter service that provide services to the inaccessible regions of north east India.
- ii. Railway tracks found in hilly regions.
- iii. Organisation looking after border roads.

Question 11

a) Explain the following terms: [2]

- i. Waste management.
- ii. Incineration.

b) What is acid rain? Mention one of its effects. [2]

c) List some important initiatives of the Indian government to improve the management of solid wastes. [3]

i. What do you mean by recycling?

ii. Explain how as a student you can help in the reduction of waste generation? [3]