

VIBGYOR HIGH

First Preliminary Examination

AY 2020-2021

GEOGRAPHY

H.C.G PAPER 2

Grade: X

Max. Marks : 80

Date : 01/12/2020

Time Allowed: 2 hours

INSTRUCTIONS:-

- Answers to this paper must be written on the paper 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.
 - The intended marks for the questions or parts of questions are given alongside the questions.
 - 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.
 - Map must be attached with the answer booklet.
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Note:

- In all Map work, by a wise use of arrows to indicate positions of cities and other insertions that you make, you will be able to avoid overcrowding parts of the map.
 - All sub-sections of each question must be answered in the correct order.
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Part I (30 Marks)
(Attempt all the questions)

Question 1

Study the extract of the Survey of India Map Sheet No. 45 D/10, (year 2015) and answer the following questions: [20]

- a What does 6r in grid square 1903 mean? [2]
- b What is the difference in the pattern of drainage in grid square 1606 and in 1608? [2]
- c Give two probable reasons, other than dry water features, to indicate that the region depicted on the map extract receives seasonal rainfall. [2]
- d Explain the term contour line? Give the contour interval for the given map extract. [2]
- e What do the tiny curved black lines in grid square 1509 indicate? How is it formed? [2]
- f State two types of vegetation found in the map extract? [2]
- g Calculate the area enclosed by Eastings 19 to 22 and Northings 04 to 09. [2]
- h What do you understand by the following terms as used on the map extract? [2]
 - i Causeway in 1702.
 - ii Falls 25m (2307)
- i Name the most prominent settlement other than ABU. Give two reasons to support your answer. [2]
- j [2]
 - i Identify one natural feature in grid square 1610.
 - ii Identify one man made feature in grid square 1903.

Question 2

On the outline map of India provided:

- a Mark and name Chennai [1]
- b Mark and name Lake Chilka [1]
- c Mark and name Satpura Range [1]
- d Shade and name Gulf of Kutch [1]
- e Mark and label the winds that bring rain to West Bengal in summer. [1]
- f Shade and name the sparsely populated state in north-east India. [1]

- g Mark and name Mumbai High [1]
- h Mark with a dot and name Delhi [1]
- i Mark and label the Western Ghats [1]
- j Mark and label the River Krishna [1]

Part II (50 Marks)

*Attempt **any five** questions from **this part***

Question 3

- a Why do Northern Plains have a continental type of climate? What type of climate does the coastal region have? [2]
- b State two important features of the Indian Monsoons. [2]
- c Give the reasons for the following: [3]
 - i The Thar Desert gets very little rain.
 - ii The Coromandel coast receives heavy rainfall in winter.
 - iii Kochi is warmer than Mumbai even though both lie on the western coast of India.
- d Study the climate data given below and answer the question that follows: [3]

| Station A | J | F | M | A | M | J | J | A | S | O | N | D |
|------------------|------|------|------|------|-----|------|-----|------|------|------|------|------|
| Temp (in °C) | 24.5 | 25.7 | 27.7 | 30.4 | 33 | 32.5 | 31 | 30.2 | 29.8 | 28 | 25.9 | 24.7 |
| Rainfall (in cm) | 4.6 | 1.3 | 1.3 | 1.8 | 3.8 | 4.5 | 8.7 | 11.3 | 11.9 | 30.6 | 35.0 | 13.9 |

- i What is the annual rainfall of station A.
- ii What is the annual range of temperature?
- iii In which two months is the rainfall heaviest?

Question 4

- a [2]
 - i Name two states where red soil is found in India.
 - ii State a reason for the low productivity of this soil.
- b [2]
 - i Mention a region in India where soil erosion by wind is most common.
 - ii Why is this region more prone to erosion than other areas?

- c [3]
- i Explain the origin of black soil.
 - ii Name any two crops that grow well on this type of soil
- d Name the soil which: [3]
- i Is good for the cultivation of cashew nuts.
 - ii Covers almost all of West Bengal.
 - iii Is a result of leaching.

Question 5

- a Name the type of forest found on the western slopes of the Western Ghats. Why is it found there? [2]
- b How do trees in the Tropical Desert Forest adapt themselves to the dry climate? [2]
- c Name the tree used for the following: [3]
- i A soft and white timber used for making toys and matchboxes.
 - ii A hard durable timber used for shipbuilding and furniture making.
 - iii A sweet smelling timber which yields an oil, used for making handicrafts.
- d Give three reasons for depletion of forest resources in India in the past. [3]

Question 6

- a Mention two advantages of rainwater harvesting. [2]
- b Name a state where: [2]
- i Tube wells are common.
 - ii Tank irrigation is popular.
- c Why is well irrigation still a popular means of irrigation? Give two reasons to support your answer. [3]
- d Give one geographical reason for each of the following statements: [3]
- i Irrigation is necessary despite the monsoon.
 - ii The drip method of irrigation is the best among all modern methods of irrigation.
 - iii Canal irrigation leads to the ground around it become unproductive.

Question 7

- a Name two areas where iron ore is found. [2]

- b Coal is a versatile mineral. Give reason. [2]
- c Mention three disadvantages of conventional sources of energy. [3]
- d Name the leading producer of manganese in India. Name two industrial uses of manganese. [3]

Question 8

- a Name the three varieties of tea grown in India. In which type is the process of fermenting missing? [2]
- b State two important aspects of the Japanese method of rice cultivation. [2]
- c [3]
- i Mention two major problems faced by the sugar cane cultivators in India.
- ii State the role of the government in solving their problems.
- d [3]
- i Which is the most important and widespread fibre crop in India?
- ii What kind of soil is traditionally suited to this crop and why?

Question 9

- a Besides Uttar Pradesh and Bihar, name two states where the sugar industry is concentrated. [2]
- b Mention any two advantages that a mini-steel plant has over an integrated iron and steel plant. [2]
- c Mention three factors that favour the concentration of the cotton textile mills in Mumbai. [3]
- d [3]
- i What is the significance of the electronic industry in recent times?
- ii Name the two cities that have leading software companies.

Question 10

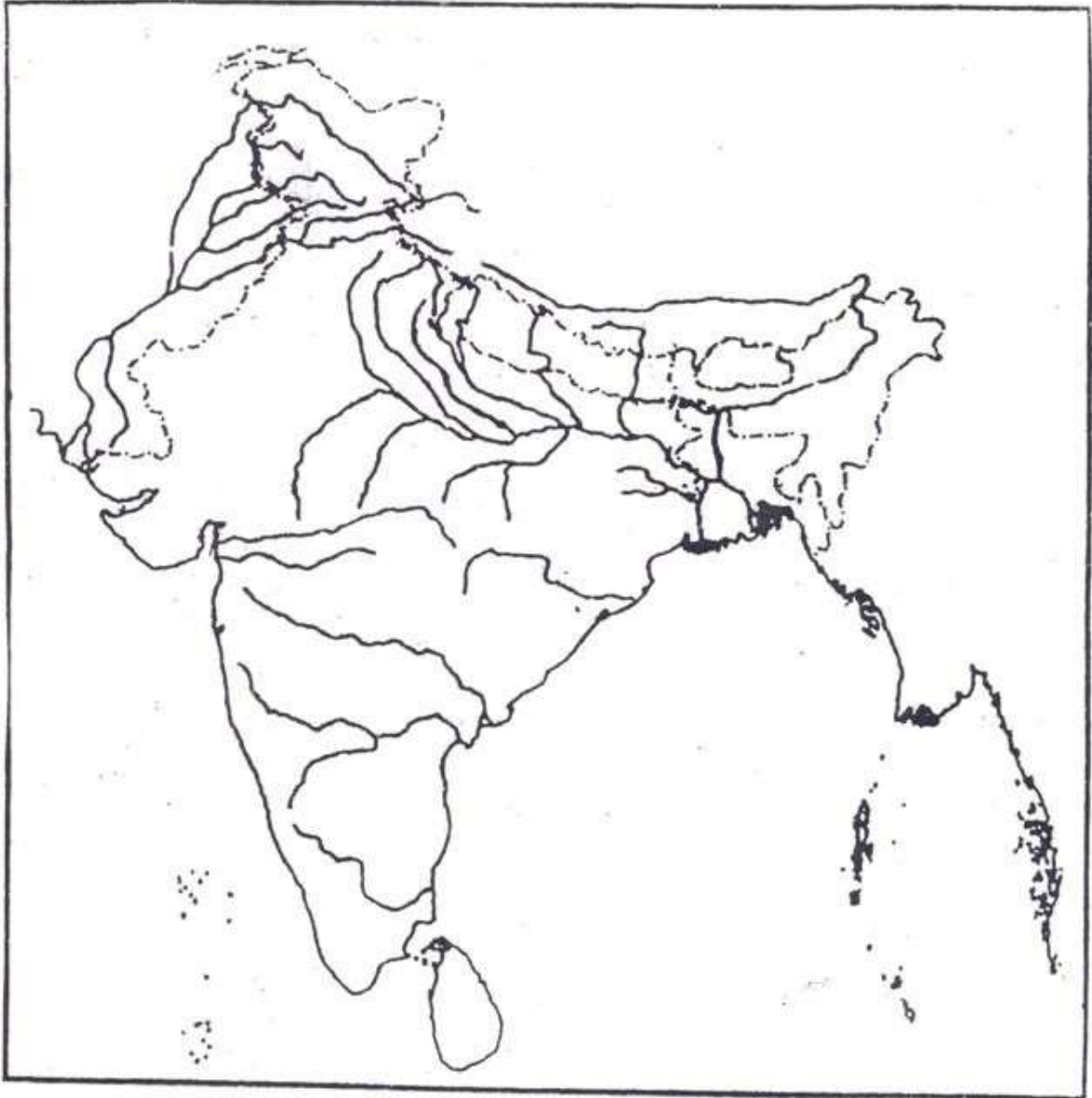
- a Which four cities does the Golden Quadrilateral join? Who manages it? [2]
- b Mention any two advantages of inland water transport. [2]
- c Mention two advantages and one disadvantages of air transport. [3]
- d What are the three main gauges of the Indian Railway? [3]

Question 11

- a What is meant by recycling? Name any two materials that are recycled. [2]
- b Name any two greenhouse gases. [2]
- c What is acid rain? Mention two of its effects. [3]
- d Mention any three advantages of composting? [3]

Name: _____ Roll No. _____ Grade/Div: X _____

Q 2



| ONLY FOR THE EXAMINER | | | | | | | | | |
|-----------------------|---|---|---|---|---|---|---|---|---|
| a | b | c | d | e | f | g | h | i | j |
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