

GOKULDHAM HIGH SCHOOL & JUNIOR COLLEGE

SECOND PRELIMINARY EXAMINATION (2015-2016)

SUBJECT: GEOGRAPHY (H.C.G. – Paper – 2)

STD : X
DATE : 12/01/2016

Marks: 80
Time : 2 Hrs.

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 question are given in brackets [].

To be supplied with this Paper – Survey of India Map Sheet No. 45 D/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.

PART – I

[30 Marks]

(Attempt all questions from this Part)

Question I

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

- a) Give the six figure grid reference of : [20]
(i) the temple located in the north-west of village Pithapura [2]
(ii) the perennial lined well located in the south of village Dabani
- b) Identify the settlement pattern of the grid 1615 on the map extract supplied to you. [1]
- c) Name two man made features in the grid square 1613. [1]
- d) Name two natural features in the grid square 2017. [1]
- e) Name any two rivers found in the area. Explain their nature! [2]

This paper consists of 5 printed pages

Turn Over

Name the types of road connecting settlements

- (i) Dabani and Anadra
- (ii) Sigarli Khera and Gulabganj

Give the meanings of the following:

- (i) Brackish in grid square 1621
- (ii) Motorable in dry season
- (iii) 13r written in grid square 1315

- h) In which direction is the river Sipu flowing? Give a reason for your answer. [2]
- i) Calculate the area in square kilometers enclosed between Eastings 13 and 18 and the Northings 16 and 22. Show the calculation. [2]
- j) What could be the main occupation of the people of the villages shown in the map extract? Give reason for your answer. [2]
- k) What is the compass direction of village Malgaon from village Harmatiya? [1]
- l) What is the general slope of the land shown in the map extract. Give two reasons to support your answer. [2]

Question II

On the given outline map of India provided, mark the following:

- (a) Mark and name the Karakoram Range.
- (b) Mark an area with black soil below the Tropic of Cancer
- (c) Mark and name the winds that bring rain to western coast of India in summer.
- (d) Mark and name Jharia coal field.
- (e) Mark and name the river Brahmaputra.
- (f) Shade and name a densely populated state in North India.
- (g) Shade and name the Gulf of Mannar.
- (h) Draw, name and number the standard Meridian of India.
- (i) Mark with a dot and name Chennai.
- (j) Shade and label the Coromandel Coast of India.

(Attempt any five-questions from this part)

Question III

- a) What is meant by a 'Rain Shadow Area'? Give two examples. [2]
- b) What are western disturbances? Name any two states receiving rains from them. [2]
- c) (i) Explain the role of the Himalayas determining the climate during the cold weather season. [1]
- (ii) Give a geographical reason for each of the following: [2]
- Thar gets little or no rainfall.
 - Mumbai is warmer than Bhopal in December.
- d) Study the climatic data and answer the following questions: [3]

Month	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec
Temp (°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	1.3	1.3	1.8	1.8	4.5	8.7	11.3	11.9	3.6	35.0	13.9

- (i) Calculate the annual rainfall experienced by the station.
- (ii) Find out the annual range of temperature. Show calculations also.
- (iii) Does the station have a maritime or a continental type of climate? Give a reason for your answer.

Question IV

- a) Mention two characteristics of Alluvial soil. Why is this soil agriculturally important? [2]
- b) Give one difference between the following: [2]
- (i) Khadar soil and Bhangar soil
 - (ii) Sheet erosion and wind erosion
- c) Name the soil: [3]
- (i) Covers the Ganga plain
 - (ii) Good for the cultivation of cashew nuts
 - (iii) Known for its self-ploughing quality and capacity to hold moisture
- d) What is soil erosion? Name two important agents of erosion. For each, state one method of controlling the erosion caused. [3]

Question V

Name the type of forests found in the western part of the Western Ghats. Give a reason why these forests are so named. [2]

Give reason for the following: [2]

- (i) Forests are grown in and around the iron and steel industries.
- (ii) Tropical deciduous forests are commercially the most exploited ones.

State any three methods to control the shrinkage of forest cover in India. [3]

- a) Mention any two areas where Littoral forests are found. Name two important trees found in these forests and mention their economic value. [3]

Question VI

- a) Which is the main source of irrigation? [2]

(i) In North India

(ii) In South India

- b) Distinguish between perennial canals and inundated canals. [2]

- c) Mention two advantages and one disadvantage of tubewell irrigation. [3]

- d) (i) Why is there a need for irrigation in India? [1]

(ii) How can we increase the recharge of ground water resources? [2]

Question VII

- a) Which is the best quality of iron-ore? Mention its two characteristics. [2]

- b) Name the best variety of coal. Name a state of India where it is found. [2]

- c) (i) Which is the main ore of aluminium and why is it used in manufacturing aeroplane and spacecrafts? [2]

(ii) Name one inland oil refinery of India. [1]

- d) Name them: [3]

(i) It is also known as black gold.

(ii) It is the basic raw material for cement industry

(iii) The largest deposits of which are found in Balaghat – Chindwara belt of Madhya Pradesh.

Question VIII

(i) Name any two millet crops widely grown in India. [1]

(ii) Name the leading beverage crop of India. [1]

Why does jute grow well in Ganga – Brahmaputra delta? [2]

- c) Give geographical reasons for the following [3]
- Jute has to be retted.
 - Clonal planting is the best method for tea propagation.
 - Pulses are used as rotation crops.
- d) (i) Why is the sugarcane production increasing in Maharashtra? [2]
- (ii) Name two methods by which sugarcane can be propagated. [1]

Question IX

- a) Why is the silk industry considered as a small scale industry? [2]
- b) Write any two problems faced by Khadi and Handloom industry. [2]
- c) Mention three factors that favour the concentration of the cotton textile mills in Mumbai. [3]
- d) (i) Why is sugar industry shifting from north to south? [2]
- (ii) Which state is the largest producer of jute goods? [1]

Question X

- a) Name any two ship building centres of India. [2]
- b) (i) Name any one machine tool industry of India. [1]
- (ii) Which is the largest mineral based industry in India? [1]
- c) (i) Chhota Nagpur Plateau is industrially developed. Mention two factors responsible for this. [2]
- (ii) Name any two raw materials used in the petrochemical industry. [1]
- d) What are integrated steel plants? Name one such plant under public sector and one under private sector. [3]

Question XI

- a) (i) Who maintains the border roads? [1]
- (ii) State a reason why the Northern rivers are more suitable for navigation than the Deccan rivers. [1]
- b) Name one natural and one artificial port of India. On which coast of India are these ports situated. [2]
- c) (i) Name the metro cities which have been connected by the Golden Quadrilateral. [1]
- (ii) What is municipal waste? Name any two non – biodegradable municipal waste. [2]
- d) (i) Why should sewage be treated before disposal? Explain. [2]
- (ii) Mention any two devices which help in gaseous waste disposal.