

GOKULDHAM HIGH SCHOOL & JUNIOR COLLEGE

SECONDARY SECTION

SECOND PRELIMINARY EXAMINATION (2018-2019)

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

Std : X
Date : 08/01/2019

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 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 are given in the brackets [].

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To be supplied with this Paper: Survey of India Map Sheet No. 45D/10 and map of India

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/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 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.*

This Paper consists of 6 printed pages

Turn Over

Question 1

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

- a) Give the six figure grid reference for
i) The spot height 361. (2)
ii) The perennial lined well located in the south-east of Fatehpura settlement.
- b) State the compass direction of the following: (2)
i) Bhatana from Makawal
ii) Lilora from Dolpura
- c) Identify the drainage pattern shown in grid square: (2)
i) 0803
ii) 0808
- d) What do you understand by: (2)
i) Causeway in Palri Khera
ii)  in 0807
- e) Name one manmade and one natural feature in grid 0410. (2)
- f) Calculate the area in kms. of the region enclosed between eastings (03 and 08) and northings (04 and 10). (2)
- g) Give two probable reasons, other than dry water features to indicate that the region depicted on the map extract receives seasonal rainfall. (2)
- h) ~~What is the value of contour line in grid square 1007? What is the contour interval given in the map?~~ (2)
- i) What do the following denote: (2)
i) Motorable in dry seasons
ii) PO in Bhatana
- j) Identify the landform represented by the pattern of contours in grid square 1110. (1)
- k) Identify the settlement pattern in the grid square 0609. (1)

Question 2

On the outline map of India provided:

- a) Mark and label the Standard Meridian of India. (1)
- b) Mark and name the winds that bring rain to North Western India in winter. (1)
- c) Shade and label a region of dense population in Northern India. (1)
- d) Shade and name a region covered by deltaic alluvium. (1)
- e) Mark and name the river Tungabhadra. (1)
- f) Mark and name the capital of Karnataka. (1)
- g) Mark and name Palk Strait. (1)
- h) Mark and name an offshore oilfield. (1)
- i) Mark and name Mount Godwin Austin. (1)
- j) Mark and label the Aravalli Range of mountains. (1)

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PART - II (50 Marks)

(Attempt any five questions from this Part)

Question 3

- a) Name any two areas which receive rainfall in winter season. (2)
- b) Write any two important characteristics of the South West Monsoons. (2)
- c) Give the geographical reason for each of the following: (3)
- i) ~~The Arabian Sea branch of the South West Monsoon does not shed any moisture in Western Rajasthan.~~
- ii) The Northern Plains of India have a continental type of climate.
- iii) Mysore is warmer than Ooty.
- d) Study the climatic data given below and answer the questions that follow: (3)

Months	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Temperature in °C	24.5	25.7	27.7	28.4	30	32.5	31	30.2	29.8	28	25.9	24.7
Rainfall in cms	4.6	1.8	1.3	1.8	3.8	4.5	8.7	11.3	11.9	30.6	35.0	18.9

- i) Calculate the annual rainfall for the given station.
- ii) What is the annual range of temperature for the given station?
- iii) Name the winds that bring most of the rainfall to the station.

Question 4

- a) Write any one characteristic of red soil. Name any one crop widely grown in the soil. (2)
- b) Differentiate between the soils of the Northern Plains and soils of the Deccan Plateau. (2)
- c) What do you mean by soil conservation? Mention two methods to conserve soil in hilly areas. (3)
- d) Give a geographical reason for each of the following: (3)
 - i) Khadar soils are preferred to Bhangar soils for agriculture.
 - ii) Laterite soil is an infertile soil.
 - iii) Wind erosion is maximum in desert regions.

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Question 5

- a) Name an important tree of Tropical Evergreen Forest and state its use. (2)
- b) State two characteristic features of vegetation found in the Tropical Deserts. (2)
- c) Give three reasons why forests must be conserved. (3)
- d) Give reasons for the following: (3)
 - i) India has a variety of forest and natural vegetation.
 - ii) Tropical Evergreen Forests are found on the western slopes of the Western Ghats.
 - iii) Deforestation leads to soil erosion.

Question 6

- a) ~~Mention two factors which are essential for the development of tubewell irrigation.~~ (2)
- b) Write any two disadvantages of canal irrigation. (2)
- c)
 - i) Name any one state where canal irrigation is practised on large scale. (1)
 - ii) Why is rainwater harvesting important in India? Give two reasons. (2)
- d)
 - i) Name any one modern method of irrigation which is gaining popularity. (1)
 - ii) Why are perennial canals more useful than inundation canals? (2)

Turn Over

Question 7

- a) i) Name the best variety of iron-ore. (1)
ii) Where is it found in India? (1)
- b) Give two important industrial uses of manganese. (2)
- c) i) Which state is the largest producer of mineral oil in India? (1)
ii) Give a geographical reason for the following. (2)
- Anthracite is used for domestic purposes.
- Oil refineries are located close to oil fields or near ports.
- d) i) What is nuclear energy? (1)
ii) Give two advantages of using wind energy. (2)

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Question 8

- a) Differentiate between subsistence farming and commercial farming. (2)
- b) With reference to sugarcane cultivation, answer the following. (2)
i) Mention two different ways in which it is propagated.
ii) Mention the climatic conditions required for the growth of sugarcane.
- c) Give a geographical reason for each of the following: (3)
i) Coffee estates have coffee inter-planted with orange trees, cardamom and pepper vines.
ii) Dry weather is necessary at the time of harvesting cotton.
iii) Millets are referred to as 'food grains of the poor'.
- d) i) Write one advantage of transplanting method. (3)
ii) What is meant by ginning?
iii) Which is a useful rotation crop? (3)

Question 9

- a) What is meant by 'agro based industry'? Name the leading agro based industry in India. (2)
- b) i) Name the Iron and steel plant set up with Russian collaboration. (2)
ii) From where does it get the supply of:
1) Iron ore 2) Manganese 3) Coal
- c) Give a geographical reason for each of the following: (3)
i) Mini steel plants cause less pollution than integrated steel plants.
ii) Cottage industries are important in India.
iii) Maharashtra is the leading producer of sugar in India.

Turn Over

- d) Name the following:
- The rearing of silkworms to obtain silk.
 - A petrochemical unit in Chennai.
 - The first shore based steel plant in India.

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(3)

Question 10

- a)
 - Give one advantage of the Golden Quadrilateral project.
 - Name an expressway with its terminal cities.
- b) Mention any two problems being faced by the Indian Railways.
- c)
 - What are the two prerequisites of waterways to be navigable?
 - What is BRO?
 - Name the ultra modern sea port of India.
- d)
 - State one advantage of water transport.
 - Write one advantage of road transport.
 - Name two situations where helicopter services may be used.

(2)

(2)

(3)

(3)

Question 11

- a) What is acid rain? Give one adverse effect of it.
- b)
 - What is the significance of ozone layer in the atmosphere?
 - What are biodegradable wastes?
- c)
 - State one source of gaseous waste.
 - Write one effect of mercury on human beings.
 - Give one advantage of composting.
- d)
 - Name any two common diseases spread by mosquitoes.
 - Why should we avoid using polythene carry bags and styrofoam cups?
 - Name the processes involved in reducing the waste.

(2)

(2)

(3)

(3)
