

THE SCHOLAR HIGH SCHOOL
PRELIMINARY EXAMINATION 2019
GEOGRAPHY(H.C.G-Paper 2)
(TWO HOURS)

STD: X

Marks:80

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 the 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. and 20cm of twine.

Note:

- In all map work ,make wise use of arrows to avoid overcrowding of the map.
- The extract of Survey of India Map Sheet No. must not be taken out of the examination hall.it must be handed over to the supervising examiner on completion of the paper.
- The Mpa given ate the end of this paper must be detached and after marking ,must be fastened to your answer sheet.
- All sub questions of the questions must be answered in the correct serial order.
- All working including rough work should be done on the same answer sheet which is use 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. and answer the questions that follow: (450/10)

- Give the six figure grid reference for: (2)
 - Temple at Dhann
 - Survey tree Northwest of Bhamra. ^{East}
- Measure the distance between Bhamra to Dhann? Show calculation. (2)
- Mention any two physical features in the grid square 0318. (2)
- Which is the most densely populated ?Why? (2)
- What occupation dominates the extract ?Give a reason for the same? (2)
- Identify the drainage pattern in the grid square: (2)
 - 0626
 - 0422
- Mention two reasons that indicate seasonal rainfall in the given extract. (2)

..2..

- h) Calculate the area enclosed south of northings 22. (1)
- i) Identify the type of contour in 0120. *Sawan ka Khava* (1)
- j) What do the following terms mean? (2)
- i) Open scrub
 - ii) Sheet rock
- k) What do the following symbols represent? (2)
- i) 3r in grid square 1018
 - ii) 5r in grid square 0321

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QUESTION 2:

On the outline map of India provided:

- a) Draw and label $23^{\circ}N$ (1)
- b) Mark and name Lake Chilika (1)
- c) Draw and label the winds that bring heavy rainfall to Malabar coast. (1)
- d) Mark and label Western Ghats. (1)
- e) Mark and name the oilfield near Gulf of khambhat. (1)
- f) Mark and name a port city in the east coast of India. (1)
- g) Shade a region in south where alluvial soil is found in abundance. (1)
- h) Mark and label river Kosi. (1)
- i) Shade and name the region with sparsely population. (1)
- j) Mark and label River Brahmaputra. (1)

Part II(50 Marks)
(Attempt any five questions from this Part)

QUESTION 3:

- a) Explain the role of Himalayas determining the climate during: (1)
- The cold weather season. (1)
 - During the South West monsoon. (1)
- b) Differentiate between retreating southwest monsoons and the north east monsoon.(Any two points) (2)
- c) Study the climate data given below and the questions that follow:

Station	month	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
A	Tem	14.4	16.7	23.3	30.0	33.3	33.3	30.0	29.4	28.9	25.6	19.4	15.6
	Rain	2.5	1.5	1.3	1.0	1.8	7.4	19.3	17.8	11.9	1.3	0.2	1.0
B	Temp	24.4	24.4	26.7	28.3	30.0	28.9	27.2	27.2	27.2	27.8	27.2	25.5
	Rain	0.2	0.2			1.8	50.6	61.0	36.9	24.8	4.8	1.0	

- What is the annual range of temperature at station A and B? (2)
- In which hemisphere do you think Station A lies?Justify. (2)
- Which of these Station has an equable climate ?Name the winds that Station B gets rainfall from? (2)

QUESTION 4:

- a) Define the following: (3)
- Rill erosion
 - Shelter belts
 - Pedogenesis
- b) Write any two features of Ex Situ soils. (2)
- c) Though infertile and not very suitable for agriculture, for which other purpose is laterite soil commonly used? Explain the process by which

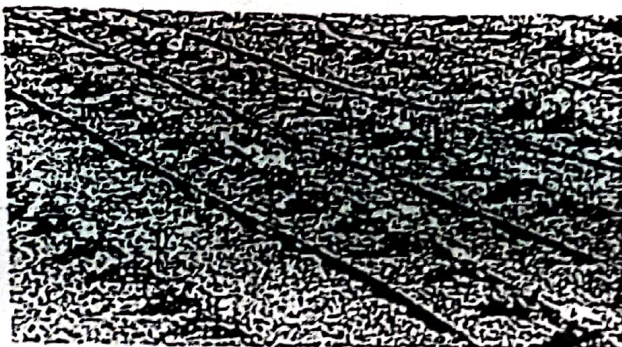
- Laterite soil is formed. (2)
- d) What is a disadvantage of a black soil. Why is it black in colour? (2)
- e) State a conservation measure undertaken by the Government to protect ravine areas. (1)

QUESTION 5:

- a) i) Name the type of forests that is the most widespread in India. (1)
- ii) State the two distinct features of this type of forests. (1)
- iii) Mention the region where these forests are dominantly found. (1)
- b) State the type of trees that would pre-dominate in the following regions:
- i) Western slope of Western Ghats (1)
- ii) Kutch and Saurashtra in Gujarat (1)
- iii) Sundarbans in West Bengal (1)
- iv) Himalayas (1)
- c) State one measure the Government of India has adopted to preserve the remaining natural forests. State any two protective functions of the forests. (3)

QUESTION 6:

- a) State two characteristics of inundation canals. (2)
- b) What is meant by watershed management? State the reason why rainwater harvesting is essential. (2)
- c) Identify the given method of irrigation and state its disadvantage. (2)



- d) Give reason: (1)
- i) Tank irrigation is popular in Tamil Nadu. (1)
 - ii) Canal irrigation is mainly concentrated in the northern plains. (1)
 - iii) Well irrigation is still used despite the incoming of modern methods. (1)
 - iv) Sprinkler irrigation is practiced in arid and semi- arid regions. (1)

QUESTION 7:

- a) Explain the working of biogas plant. List the advantages of wind energy. (3)
- b) Name two oilfields of the western coast. (2)
- c) Name the type of Iron ore which has the least iron content. Which type is also known as black ore? (2)
- d) Mention two power houses on Bhakra Nangal dam. State the aim of the project Hirakud. (2)
- e) Which industry is the largest consumer of Copper? Why? (1)

QUESTION 8:

- a) What is the most important food crop of India? In which cropping season does it grow? State the climatic conditions suitable for the crop. (3)
- b) State reason why subsistence farming is still practiced in India? (2)
- c) Why are floods beneficial for better growth of jute? Which ^{state} is the leading producer of jute? (2)
- d) Name the superior quality of coffee cultivated in India .Why is silver oak planted with coffee? (2)
- e) Explain the sett method of sugar cultivation. Name the method by which tea leaves are plucked. (1)

QUESTION 9:

- a) State two drawbacks of silk industry in India. (2)
- b) Give reason:
- i) Uttar Pradesh produces 40% of India's sugar. (1)
 - ii) Most of the petrochemical units are in Maharashtra or Gujarat. (1)
 - iii) Ahmedabad is not a port city yet it is the most important textile centre of India. (1)
- c) Name the centre for each of the following:
- i) Ship building *Space Technology* (1)
 - ii) Automobile *Software Industry* (1)
- d) Which is the largest mineral based industry? Name the centre of this industry in public sector? Where does this industry get its water supply from? (3)

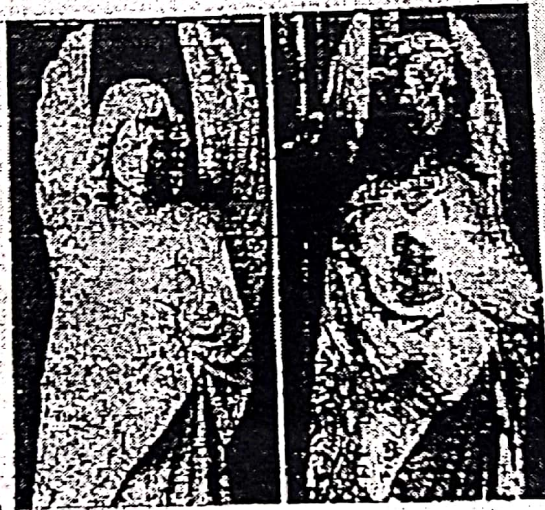
QUESTION 10:

- a) Name one natural harbor and one artificial harbour (2)
- b) Why is water transport not as popular as the other means of transport? Mention the route of NW5. (2)
- c) State the purpose that is served by Golden Quadrilateral. (2)
- d) Name the authorities responsible for the administration of the airports and border areas. (2)
- e) Besides being the fastest means of transport what other reasons make airways popular? (2)

QUESTION 11:

- a) What is meant by sanitary landfill? Give any two effects of the same? (3)
- b) Name the process for the following:

- i) Depletion of oxygen in water due to phytoplankton. (1)
- ii) Processing of discarded materials into new ones. (1)
- iii) Separation of waste into different categories. (1)
- iv) Increasing in the toxic substance along the food chain. (1)



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- c) Identify the type of pollution whose effect is seen in the picture given above.
State two effects of the same. (2)
- d) Which is more harmful biomedical waste or household waste? Justify. (1)