

GREENLAWNS HIGH SCHOOL

PRELIMINARY EXAMINATION-YEAR 2025-26

SUBJECT: GEOGRAPHY (H.C.G PAPER-2)

CLASS:X

TIME:2 HOURS

MARKS:80

1. *Answers to this Paper must be written on the answer sheet provided separately.*
2. *You will not be allowed to write during the first 15 minutes.*
3. *This time is to be spent in reading the question paper.*
4. *The time given at the head of this Paper is the time allowed for writing the answers.*

5. *Part I is compulsory. All questions from Part I are to be attempted.*
6. *A total of five questions is to be attempted from Part II.*
7. *The intended marks for questions are given in brackets [].*

To be supplied with this Paper: Survey of India Map Sheet No. G43S10.

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. G43S10 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 detached, and after marking, 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.*

PART I (30 Marks)

(Attempt all questions from this Part.)

Question 1

Study the extract of the **Survey of India** Map Sheet No. **G43S10** and answer the following questions:

- (i) (a) Identify the man-made feature at the six-figure grid reference of 647245. [2]
- (b) Identify the drainage pattern in the Grid Square 6926.

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B 27 H
- (ii) (a) Shaan went with his friends to Nakhi Lake for sight-seeing. Now he wants to explore Alwar Talao. In which direction should Shaan go to reach Alwar Talao? [2]
- (b) What is the purpose of the fire line in the grid square 7130?
- (iii) Calculate the area in square kilometres covering area from 63 to 68 Eastings 22 to 27 Northings. [2]
- (iv) (a) State the occupation of the people in the north eastern part of the map. [2]
- (b) What is the pattern of settlement in Harmatiya?
- (v) (a) Name one natural feature in grid square 6630. [2]
- (b) Name one man-made feature ~~natural~~ in grid square 6630.

Question 2

On the outline map of India provided:

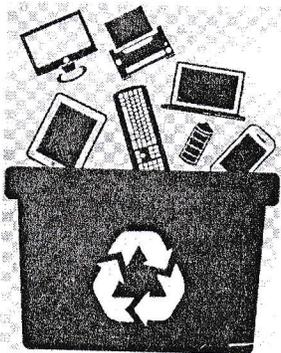
- (i) Mark and label Srinagar with a dot. [1]
- (ii) Mark and label Sutlej. [1]
- (iii) Mark and label the Tropic of Cancer. [1]
- (iv) Mark with arrows and label South West monsoon winds Bay of Bengal branch. [1]
- (v) Shade and label Gulf of Mannar. [1]
- (vi) Shade and label the densely populated area in Kerala. [1]
- (vii) Shade and label the Konkan coast. [1]
- (viii) Mark and label Mumbai High. [1]
- (ix) Mark and label the Satpuras. [1]
- (x) Shade and label an area of Red soil in north-western India. [1]

Question 3

- (i) Ooty has much lower temperature than Kochi because of the _____ [10]
- a) Latitude
b) El -Nino effect
c) Altitude
d) Himalayas
- (ii) Which of the following is **NOT** a reason we need to conserve soil?
- a) Silting of river and canal beds.
b) Recurrence of landslides.
c) Lowering of the water table.
d) Contour ploughing.

- (iii) Name the tree found in Littoral Forest.
- a) Rhizophora
b) Neem
c) Mahogany
d) Mulberry
- (iv) Which of the following is **NOT** in-situ soil?
- a) Alluvial soil
b) Black soil
c) Red soil
d) Laterite soil
- (v) Which of the following condition is not favourable for digging tubewells?
- a) Soft soil
b) Availability of cheap electricity
c) Small fertile area
d) Plenty of groundwater
- (vi) Variety of coal which has 90% carbon content.
- a) Peat
b) Anthracite
c) Lignite
d) Bituminous
- (vii) Which crop is associated with Retting?
- a) Cotton
b) Sugarcane
c) Rice
d) Jute
- (viii) _____ and _____ are the most important food crops in our country.
- a) Rice and Wheat
b) Wheat and Ragi
c) Jowar and Rice
d) Bajra and Rice
- (ix) Which of the following ports is not a natural harbour?
- a) Mumbai
b) Visakhapatnam
c) Kochi
d) Ennore

(x)



In which category does the above waste fall into?

- a) Bio medical waste
b) E-waste
c) Domestic waste
d) Mining waste

PART II (50 Marks)

(Attempt any five questions from this Part.)

Question 4

- (i) Seasonal variations in temperature occur from place to place and from region to region.
Explain the above statement with two suitable examples. [2]
- (ii) Based on where they develop, differentiate between Tropical cyclones and Temperate cyclones. [2]
- (iii) Punjab and Haryana and Tamil Nadu coast receive rainfall from three sources of rainfall. List the three sources for each. [3]
- (iv) Explain the following terms: [3]
(a) October heat
(b) Burst of monsoon
(c) Loo

Question 5

- (i) Shamu, a farmer, inherited a large piece of land. He observes that the soil is red in colour. How will he identify which soil it is based on its formation? [2]
- (ii) Differentiate between Sheet erosion and Rill erosion. [2]
- (iii) Give a reason for the following statements. [3]
(a) Khadar soil is very fertile.
(b) Dams prevent soil erosion.
(c) Deforestation leads to soil erosion.
- (iv) With reference to Black soil, answer the following questions. [3]
(a) How is Black soil formed?
(b) Why is Black soil kind of 'self-ploughing'?
(c) Name any two areas where it is found.

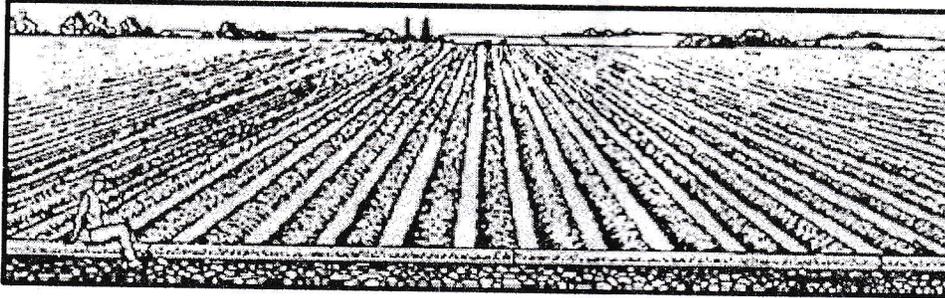
Question 6

- (i) State two key features of the Miyawaki method. [2]
- (ii) List the use of Palas and Babool tree. [2]
- (iii) Tina went to her mother's ancestral home. She found sandalwood trees there. [3]
(a) In which natural vegetation belt was her ancestral home?
(b) List the climatic conditions under which this natural vegetation develops.

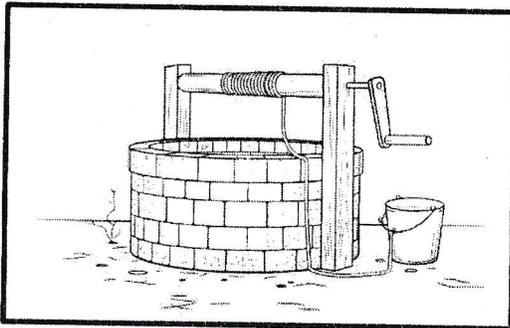
- (iv) (a) What does 'Van Mahostav' mean? [3]
 (b) List two objectives of Van Mahostav.

Question 7

- (i) Differentiate between Inundation and Perennial canals. [2]
 (ii) Study the picture given below and answer the questions that follow. [2]



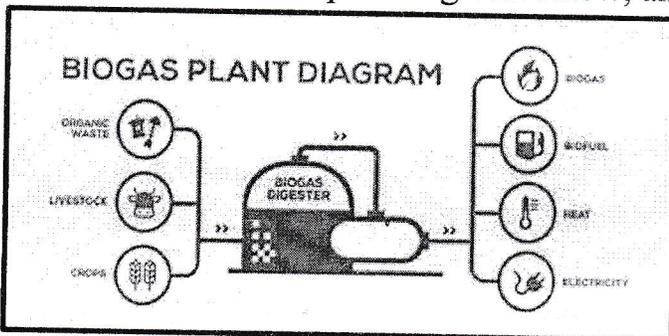
- (a) Name the modern method of irrigation in the picture.
 (b) Where is this type of irrigation useful?
- (iii) (a) Explain the term 'Rainwater harvesting'. [3]
 (b) Name the elements of rain water harvesting.
- (iv) Study the picture given below and answer the questions that follow. [3]



- (a) Mention the irrigation method shown in the picture.
 (b) List two advantages of this type of irrigation.

Question 8

- (i) With reference to the picture given below, answer the following: [2]



(c) State two advantages of biogas.

- (ii) What is the aim of Bhakra Nangal Canal system? [2]
- (iii) List the three varieties of iron ore with its iron content. [3]
- (iv) Give geographical reason for the following: [3]
- (a) Anthracite is preferred for domestic purposes.
 - (b) Petroleum is called liquid gold.
 - (c) Manganese is an important raw material for iron and steel industry.

Question 9

- (i) Differentiate between upland and lowland rice on the basis of the place where its grown. [2]
- (ii) With reference to jute, answer the following: [2]
- (a) Temperature required for growing jute.
 - (b) The state which is the largest producer of Jute.
- (iii) With reference to pulses, answer the following. [3]
- (a) Pulses are usually rotated with other crops. Explain why.
 - (b) Name two pulses.
 - (c) Name two states producing pulses.
- (iv) Hunar wants to cultivate sugarcane on his farm. His friend told him to grow sugarcane by Ratooning. Help him by answering the following questions. [3]
- (a) What is Ratooning?
 - (b) State two advantages of Ratooning.

Question 10

- (i) With reference to the Rourkela Steel Plant, answer the following. [2]
- (a) Where is the Rourkela Steel Plant located?
 - (b) Where does the Rourkela Steel Plant get its power supply from?
- (ii) Explain the following terms. [2]
- (a) Basic industry
 - (b) Ancillary industry
- (iii) Keshav owns a factory where he processes sugarcane. A large amount of sugarcane waste is left behind once the sucrose is removed from the sugarcane. He wants to utilise this waste to the fullest. List three byproducts of sugarcane and state its uses to help Keshav. [3]

- (iv) (a) What is Sericulture? [3]
(b) Mention two problems faced by the silk industry.

Question 11

- (i) With reference to the State highways, answer the following questions. [2]
(a) Who constructs and maintains the State highways?
(b) State the importance of State highways.
- (ii) What was the primary objective of providing helicopter support services in 1985? [2]
- (iii) Give geographical reason for the following. [3]
(a) Oceanic waterways play an important role in the transport sector of India's economy.
(b) The rivers of Peninsular India are not ideal for navigation.
(c) During natural calamities airways are quite useful.
- (iv) Classify the railways on the basis of the track system. [3]

Question 12

- (i) Explain the following terms: [2]
(a) Use and throw concept.
(b) Biomedical waste.
- (ii) Differentiate between Dry and Wet waste. [2]
- (iii) (a) In which layer of the atmosphere is the Ozone layer found? [3]
(b) What is the significance of the Ozone layer?
(c) List a cause of Ozone layer depletion.
- (iv) (a) What is composting? [3]
(b) State two advantages of composting.
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