

GUIDELINES

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GEOGRAPHY

MOCK PAPER – 1 (2024)

Time: 2 hours

Total Marks: 80

General Instructions:

1. Answers to this Paper must be written on the paper provided separately.
2. You will not be allowed to write during the first 5 minutes. This time is to be spent in reading the question paper.
3. The time given at the head of this Paper is the time allowed for writing the answers.
4. Attempt all questions from Part-I, any 4 questions from Part-II.
5. The intended marks for questions or parts of questions are given in bracket [].

PART-I (30 MARKS)

(Attempt all questions from this Part)

Question 1.

Study the extract of the Survey of India Map Sheet No. G43 S/7 (Easting 27 to 36 and northing 02 to 12) answer the following questions :

- (i) Give the six-figure grid reference of : [2]
 - (a) Δ 224
 - (b) Village Ganodara.
- (ii) (a) What does the blue line in the Varka N indicate ? [2]
(b) What is the general direction of Varka N ?
- (iii) (a) What is the meaning of 1:50,000 printed below the map extract ? [2]
(b) Calculate the direct distance in km between Jegol in the grid square 3002 and Odhava in the grid square 3304.
- (iv) (a) What does the symbol in grid 2809 \odot indicate ? [2]
(b) Which is the common mode of transportation in the southern part of this map ?
- (v) What do you mean by the following ? [2]
 - (a) 5r. in grid square 2706
 - (b) .264 in grid square 3409

Question 2.

On the outline map of India mark and label the following :

- (i) A region rich in black soil. [1]
- (ii) Mount Godwin Austin K2 [1]
- (iii) Coromandel Coast [1]
- (iv) Any one centre of petroleum in western India [1]
- (v) A region of north-east India rich in red soil [1]
- (vi) River Kaveri [1]
- (vii) Western Ghats [1]
- (viii) River Satluj [1]
- (ix) Direction of N-E monsoons [1]
- (x) Karakoram pass [1]

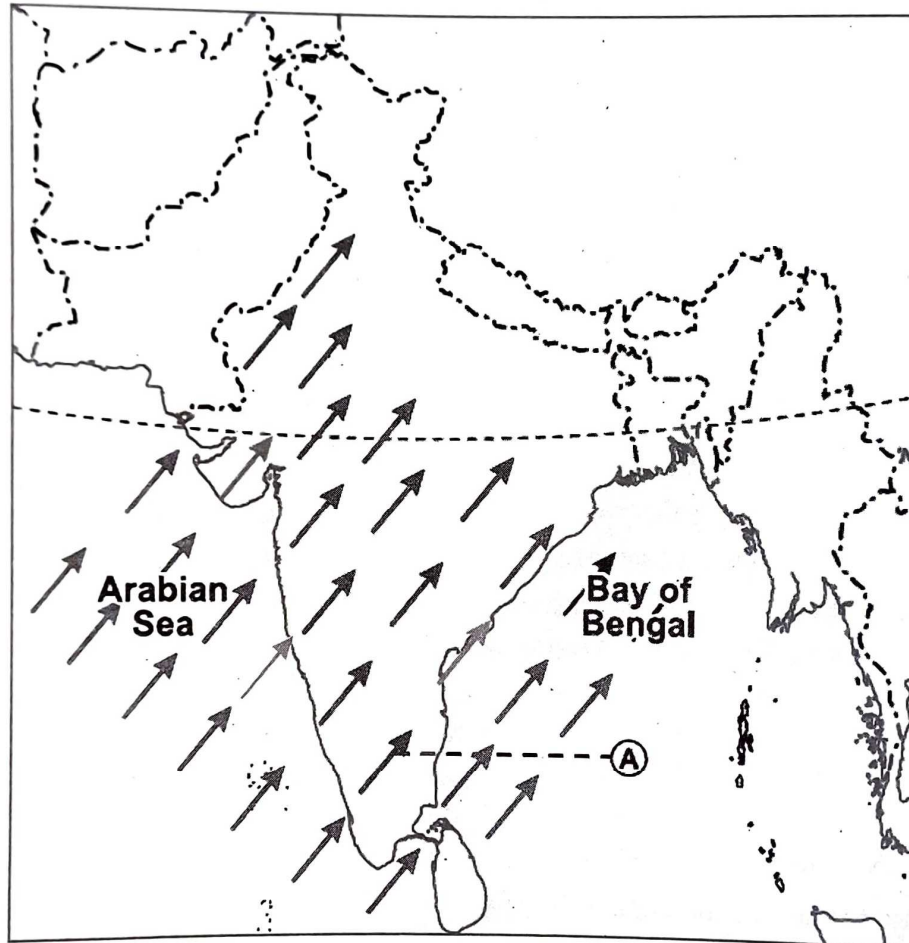
Question 3.

Choose the correct option :

[10]

- (i) In the given map arrows marked as (A) are indicating a wind system prevailing in India during the months of June and July. Identify the wind system.

- (a) South-West monsoon (b) North-East monsoon
(c) South-East monsoon (d) North-West monsoon



- (ii) is a process by which the nutrients in the soil are washed away by heavy rains.
(a) Soil erosion (b) Leaching
(c) Land degradation (d) Gully erosion
- (iii) With which type of vegetation the following trees are associated ?
Ebony, mahogany, rosewood, rubber, etc.
(a) Tropical Deciduous Forests (b) The Thorn Forests
(c) Mountain Forests (d) Tropical Evergreen Forests
- (iv) simultaneously serves several purposes at the same time.
For example — irrigation, flood control, hydroelectric generation, navigation, fishing and tourism.
(a) Tube well (b) Multi-purpose project
(c) Dams (d) River project
- (v) Magnetite and Haematite are ores of
(a) Coal (b) Copper
(c) Manganese (d) Iron

(vi) Match the Columns :

| Column A | Column B |
|--------------------|---------------|
| (i) Andhra Pradesh | (a) Kuruwa |
| (ii) Odisha | (b) Vaire |
| (iii) Rajasthan | (c) Penda |
| (iv) Jharkhand | (c) Pama Dabi |

(A) (i) (c), (ii) (d), (iii) (b), (iv) (a)

(B) (i) (b), (ii) (a), (iii) (c), (iv) (b)

(C) (i) (a), (ii) (c), (iii) (b), (iv) (b)

(D) (i) (c), (ii) (b), (iii) (a), (iv) (b)

(vii) Which of the following is not an example of 'Light Industries'?

(a) Fans

(b) Sewing Machines

(c) Ship building

(d) Leather bags

(viii) Which of the following is not an agro based industry?

(a) Silk

(b) Cotton

(c) Petrochemicals

(d) Sugar

(ix) National Highways are constructed and maintained by :

(a) NHAI

(b) PWD

(c) SPWD

(d) BRO

(x) Which of the following is not associated with Recycling?

(a) Collection of waste from doorsteps, commercial places etc.

(b) Switching off lights and fans when not in use.

(c) Collection of waste from community dumps

(d) Organic kitchen waste is thrown in compact pits to make manure.

PART-II (50 MARKS)

(Attempt any five questions from this Part)

Question 4.

- (i) Name two rainiest months of India. Also mention the winds responsible for this rainfall. [2]
- (ii) There is a great variations in the climate of the Indian sub-continent. State any two reasons. [2]
- (iii) State three important characteristics of monsoon rainfall in India. [3]
- (iv) Study the climatic data provided below and answer the questions that follow : [3]

| Month | J | F | M | A | M | J | J | A | S | O | N | D |
|-----------|------|------|------|------|------|------|------|------|------|------|------|------|
| Station A | | | | | | | | | | | | |
| Temp °C | 21.0 | 22.6 | 26.3 | 29.2 | 29.7 | 27.5 | 25.1 | 24.5 | 24.8 | 25.5 | 22.5 | 20.5 |
| Rain cm | 0.1 | 0.1 | 0.5 | 1.5 | 2.7 | 11.4 | 16.7 | 9.0 | 13.4 | 9.0 | 2.7 | 0.3 |
| Section B | | | | | | | | | | | | |
| Temp °C | 24.4 | 24.4 | 26.7 | 28.3 | 30.0 | 28.9 | 27.2 | 27.2 | 27.2 | 28.3 | 27.2 | 25.0 |
| Rain cm | 0.2 | 0.3 | 0.3 | 1.7 | 1.9 | 50.2 | 61.0 | 37.0 | 27.0 | 4.8 | 1.4 | 0.3 |

- (a) Calculate the annual range of temperature of Station A.
- (b) Calculate annual rainfall of Station B.
- (c) Presuming that both stations are located in West India, state giving a reason as to which of the two lies on the leeward side of the Western Ghats.

Question 5.

- (i) State two factors which are responsible for variety of soil in the Indian sub-continent. [2]
- (ii) 'Laterite soil is less fertile'. Give two reasons. [2]
- (iii) How does the soil of the Ganga-Yamuna differ from that of Central Maharashtra ? [3]
- (iv) How is black soil formed ? Name any two states of India where the soil is formed. [3]

Question 6.

- (i) What are tidal forests ? [2]
- (ii) Why the Tropical evergreen forest do not shed their leaves annually ? [2]
- (iii) With reference to the tropical deciduous forests answer the following questions : [3]
 - (a) How are the forests divided ?
 - (b) Mention any two important trees of these forests.
 - (c) Give two ways in which these forests adapt to the climatic conditions of that area.
- (iv) Mention any three steps which have been taken by the government of India to protect forests. [3]

Question 7.

- (i) Name a state where : [2]
 - (a) Tube wells are common
 - (b) Tank irrigation is popular
- (ii) Give a reason for the significance of irrigation in : [2]
 - (a) Punjab
 - (b) Rajasthan
- (iii) 'The Northern plain of India is found suitable for canal irrigation'. Give reason. [3]
- (iv) Differentiate between Surface water and Groundwater. [3]

Question 8.

- (i) Mention growing and harvesting periods of rabi crops. [2]
- (ii) Name two natural fibres except cotton. [2]

- (iii) Study the feature and identify the crop : [3]
- (a) 1. It is the staple food crop of a majority of the people of India.
2. It is grown in North and North-Eastern India.
 - (b) 1. It is used both as food and fodder.
2. It is a Kharif crop.
 - (c) 1. It is fibre crop.
2. It grows well on well drained fertile soils in the flood plains.
- (iv) (a) Name a state which is leading producer of tea. [3]
(b) Why is tea generally grown on hills ?
(c) Why is Ratoon cropping becoming more popular ?

Question 9.

- (i) State any two advantages of coal as a source of energy over solar energy. [2]
- (ii) Mention two products of an oil refinery. Name two Oil refineries in India, one along the coast and one away from the coast. [2]
- (iii) State the conditions necessary for the formation of Natural gas. Mention two advantages of using Natural gas as a source of energy. [3]
- (iv) Mention two advantages of Hydroelectric Power over Coal and Petroleum. Name any two important Hydro-electric Power Stations in Karnataka. [3]

Question 10.

- (i) Why has the electronics industry grown in importance ? [2]
- (ii) Mention two advantages that a mini steel plant has over an integrated steel plant. [2]
- (iii) What is the need for the industrial development ? Mention any three points. [3]
- (iv) What are petrochemicals ? Name any two products made from petrochemicals. [3]

Question 11.

- (i) Name two areas where helicopter services may be used. [2]
- (ii) What is the Golden Quadrilateral ? Mention any two ways in which it will help in the economic development of the country. [2]
- (iii) Mention any three disadvantages of Super Highways. [3]
- (iv) Mention any three problems being faced by the Indian railways. [3]

Question 12.

- (i) Chemical fertilizers must be replaced by organic manure. Give two reasons. [2]
- (ii) Plastic and polythene products must be banned. Give two reasons. [2]
- (iii) Why must segregation of waste be done before disposal ? [3]
- (iv) How has composting proven to be a great help in managing waste ? [3]