

PART – I (30 Marks)

Attempt **ALL** the questions.

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

- (a) Give the six figure grid reference of the following: [2]
1. Post office near pamera
 2. Survey tree 285 near Sukli nadi
 3. Dispensary at wahan
 4. Temple south of Udvariya
- (b) Define following
1. sluice 6832
 2. Rocky knob 6236
 3. Tinny broken black lines in grid 6631
- (c) Calculate the distance between Malgaon and pamera in kms. [2]
- (d) Which type of drainage pattern seen in grid 6334 and 6736. [1]
- (e) Name the settlement that can be seen in grid square 6328. [1]
- (f) State the main occupation followed by the people at sirori. [1]

II. Choose the correct option

[10]

- (a) The Summer monsoon winds blow in which direction ?
- i. North-East
 - ii. South-West
 - iii. North-West
 - iv. South-East
- (b) Where does the Arabian sea branch join the Bay of Bengal branch ?
- i. In Punjab and Hariyana
 - ii. In Western ghats
 - iii. In Chota Nagpur plateau
 - iv. In the Sahyadris
- (c) Alluvial soil is rich in which of the following minerals?
- i. Iron
 - ii. Nitrogen
 - iii. phosphorus
 - iv. None of the above
- (d) Copper is alloyed with Iron and _____ to make stainless steel
- i. Zinc
 - ii. Nickel
 - iii. Tin
 - iv. Manganese
- (e) Littoral Forest have breathing roots called _____
- i. Pneumatophores
 - ii. Pnewmatophores
 - iii. Pneumatophores
 - iv. Pneumotophores

- (f) There is a landfill that has been reclaimed by planting trees. What is the term for such plantation?
- reforestation
 - afforestation
 - Social forestry
 - All of the above
- (g) _____ is used in dry cell batteries.
- Iron ore
 - Manganese
 - Copper
 - Bauxite
- (h) Sprinkler irrigation is also known as _____.
- Seepage irrigation
 - Overhead irrigation
 - Protected irrigation
 - Nozzle irrigation
- (i) Which of the following is an example of Organic Mineral?
- bauxite
 - Copper
 - Crude Oil
 - Hydel power
- (j) **Assertion(A):** Aluminium is the best material for telescopes.
- Reason (R):** Aluminium is lightweight, strong and rust resistant metal.
- Both A and R are true and R is the correct explanation of A .
 - Both A and R are true but R doesn't explain A .
 - A is true but R is false .
 - A is false but R is true .
- I. On the outline map of India provided :
- Draw name and number the Tropic of Cancer.
 - Label the river Gomati.
 - Label the river Mahanadi
 - Mark and name the Karakoram range.
 - Mark and name the wind which bring rain to Tamil Nadu in October.
 - Mark and name Canara coast
 - Mark and label the standard meridian of India.
 - Mark and name the Palk Strait.

[10]

- (i) Mark and label the Nilgiris.
- (j) Mark and name the winds which bring rain to Mumbai in July and August.

PART – II (50 Marks)

- II. (a) state two difference between the rainfalls that occur from June to September and that from December to February in North India.
- (b) Give reason for the following:
1. Western part of deccan plateau is a dry region.
 2. The konkan coast experiences orographic rainfall
- (c) Study the data of distribution of temperature and rain for station 'x' and answer the question that follow:

Place	Months →	J	F	M	A	M	J	J	A	S	O	N	D
X	Temp. (° C)	8.5	15	21.6	32.5	38	40.5	35.8	30.8	32.2	25.5	16.6	12.2
	Rainfall (cm)	2.5	2.0	1.5	0.9	7.5	47.5	57.8	28.8	12.5	1.0	12.2	11.5

1. Calculate the annual range of temperature?
2. What type of climate is experienced in the given area and why?
3. suggest a name for the station, give reason for your answer. [3]

- (d) An inter- house football match is scheduled on 30th Oct to 2nd Nov. At your school on the occasion of sports day, called off due to inappropriate weather conditions. Answer the following questions based on the statement. Your answers should be based on geographical reasons. [3]

1. State the geographical reason for this happening.
2. What type of weather conditions are prevailing during this period over India and why?
3. Give the technical name of the season.

- III. (a) 1. Why black soil does differs in texture. [2]
2. State two important crops cultivated in this soil.

- (b) Define Bhangar and Khadar soil. [2]

- (c) Give geographical reason for each of the following [3]

1. The colour of Alluvium varies In different areas.
2. Soils are the most important natural resource for a country like India.
3. The foothills of the Himalayas are prone to excessive soil erosion.

- (d) What is soil erosion ? Explain the prevention methods. [3]

- VI . (a)** Name the forests found in Wet marshy areas, in deltas or other swampy areas along with sea coast. [2]
Name two characteristic features .
- (b)** Explain two ways in which man is responsible for reduction of forests in India. [2]
- (c) Give geographical reason.** [3]
1. Tropical evergreen forest are difficult to exploit.
 2. The forest areas has greatly depleted in India.
 3. Nilgiri region has variety of vegetation type.
- (d)** How does natural vegetation contributed to economy of a region? Discuss the economic benift of forests for India. [3]
- (VII) a)** Briefly explain why ground water levels are dropping rapidly in India. [2]
- (b)** Give 2 point difference between Furrow irrigation and Drip irrigation. [2]
- (c)** Compare the traditional methods of water conservation with modern techniques. How can integrating both approaches help in managing water resources effectively? [3]
- (d) Give geographical reason** [3]
1. Many farms in India still use wells.
 2. There is very little recharge of ground water.
 3. Drip irrigation reduces loss of water through evaporation.
- (VIII) (a)** What is the difference between Metallic and Non Metallic Minerals. [2]
- (b)** State two uses of copper. [2]
- (c)** i) Name any two district in Maharashtra where copper found. [2]
ii) Name the important buyer of Manganese from India. [1]
- (d)** Give reasons for the following: [3]
- i) Magnetite is so called.
 - ii) Bauxite is used in electrical equipment industry.
 - iii) Manganese and Copper are metallic minerals with different properties.

***** ALL THE BEST *****