

Std: X

Marks: 80

Date: 11/10/19

Subject: Geography

Dur. : 2 Hrs

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 Map given along the question paper must be fastened to your answer booklet.

**PART I (30 marks)**

**Question 1**

20/16/20

Study the extract of the Survey Of India map sheet no. 45 D / 7 (2010) and answer the following questions:

a. Give the Six figure grid reference for.

2/2

i. Spot height 166      ii. Triangulated height 166

b. What kind of drainage pattern do you observe in grid 8186 and in grid 8586?

1/1

c. With reference to Settlement Jegol, answer the following questions:

2/5

i. Name the Settlement pattern here.

ii. Which type of road connects it to settlement Dhaneri?

iii. To which bank of the Sipu river is this settlement located?

iv. Which is the mode of irrigation for the people living here?

d. What do you understand by:

2/1

i. Black dotted line in grid 7784

ii. Black vertical line close to easting 84

iii. Black broken curved lines in grid 7887

iv. Blue line in the Sipu river.

e. Mention one probable occupation carried out by the people living in this region. Justify your answer.

1/1

f. The region in the map extract receives seasonal rainfall. Give two evidences for this statement.

1/1

g. Mention one Man made and one natural feature in grid 8391.

1/1

h. What do the following numbers indicate?

32

- i. 5r in grid 8491
- ii. 180 in grid 8384
- iii. 190 in grid 8388
- i. State the R.F scale for the given map. 1 |
- ii. In which stage is the Sipu river flowing? Give one reason for your answer. 1 |
- k. Explain the Term: i. Fireline ii. Form line 2
- l. Calculate the enclosed area between Eastings 78-83 and Northings 83- 86. 1 |
- m. Calculate the indirect distance along the cart track from settlement Marwada in grid 8685 to settlement Dhaneri in grid 8688. Express the answer in km. 1 |
- n. What does CI stand for? State the CI of the given map. 1 |

### Question 2

On the outline map of India provided:

10/8

- a. Draw and number the Tropic of Cancer
- b. Label river Godavari
- c. Mark the Satpura Hills
- d. Mark C on the coal fields in Jharia
- e. Mark with a dot and name Srinagar
- f. Shade a region with Black cotton Soil.
- g. Shade and name the Coastal plain that receives rainfall in October- November
- h. Shade and name the Gulf of Kutch
- i. Mark and name the Western Disturbances
- j. Mark and name the Karakoram Pass.

### Part II(50marks)

Attempt any five questions from this Part

### Question 3

8/10

- a. Which branch of the Southwest monsoon wind is more powerful? Why? 2
- b. Name the state which receives rainfall from the Western Disturbance? State the importance of the rainfall to that State. 2

c. Give Geographical reason:

3

i. Vishakhapatnam gets heavier rainfall than Hyderabad.

ii. The Northern plains do not freeze in winter.

iii. India is known as the 'Land of endless growing Season'.

d. Study the climatic data given below and answer the following questions:

3

Month	Jan	Feb	March	April	May	June	July	Aug	Sep	Oct	Nov	Dec
Temp °C	12.0	25.5	26.3	27.1	30.0	36.2	36.0	35.9	30.3	28.4	21.0	16.6
Rain-fall cm	1.5	0.1	0	1.4	1.1	21.0	25.3	27.2	24.0	9.4	1.5	0.4

i. What is the annual range of temperature?

ii. What is the total annual rainfall experienced by the station?

iii. Why would it be correct to presume that the station lies in the interior and not on the coast?

Question 4

6 1/2 / 10

a. Explain the term: i. Pedogenesis

ii. Soil Conservation

2/0

b. Give Reason:

2/1

i. Alluvial Soil is called riverine soil.

ii. Red Soil is ideal for dry farming.

c. Name the soil found at the Deltas of River Mahanadi and River Godavari. State two characteristics of the soil.

2 2

d. Name two states where Black soil is found. State two advantages of this soil.

2 2

e. State two adverse effects of soil erosion. State two measures taken to prevent soil erosion from running water.

2 1

Question 5

7 1/2 / 10

a. State two points of difference between The Tropical evergreen Forest and the Tropical Monsoon forest, in terms of climatic conditions and the vegetation type.

2 2

b. With reference to the Thorn and Scrub vegetation, answer the following:

3 3

i. Name two States where this type of vegetation is largely found.

ii. Name two trees found here.

iii. State two ways by which the trees have adapted to this type of climate.

c. State one use of the following trees:

- i. Rosewood      ii. Neem

11

d. Give reason :

21

i. The forest in the Ganga Delta are known as Sunderbans.

ii. Forest cover in India is shrinking.

e. What is Social forestry? State its objectives.

2 1/2

**Question 6**

5/10

a. State two advantages of using a tube well over a surface well.

21

b. Increase in irrigation potential is regarded as the prerequisites for agricultural development- Give Reason.

2

c. List down two ways of lifting water from the well. Mention two States where well irrigation is practiced.

2<sup>2</sup>

d. State two points of difference between Inundation canals and Perennial Canals.

21

e. Water is needs to be conserved- Explain.

21

**Question 7**

a. How is Tidal energy generated?

2

b. Name the best quality of iron ore. State two of its characteristics.

2

c. Which mineral is the oxide of aluminum? State two of its uses.

2

d. Give reason:

2

i. Non- conventional sources of energy are preferred over conventional sources .

ii. Copper is used to make electric wires.

e. Name the following:

2

i. The foul smelling gas added to LPG to detect leakage.

ii. The geothermal plant situated in Himachal Pradesh.

iii. The dam built across the river Mahanadi.

iv. The world's largest oil refinery.

**Question 8** 5/10

- a. Mention two reasons why more people use railways rather than airways. 22
- b. What is Golden Quadrilateral? State one of its economic benefit. 21
- c. Why is inland waterway declining its importance? Give two reasons for your answer. 2
- d. How does transport play an important role in a developing country like India? 21
  
- e. Name the following: 21
  - i. It is the India's deepest landlocked port handling crude oil and petroleum products.
  - ii. The nodal agency responsible for providing efficient Air Traffic services in the Country
  - iii. India's first six lane expressway.
  - iv. The Track System that is operational only in the hilly regions