STD: X

TIME : 2Hrs

DATE: 20/09/2019

MARKS: 80

Answers to this Paper must be written on the paper 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 this 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 [ ].

PART I-30 MARKS

Attempt all questions from this section.

Q.1. Study the extract of the Survey of India Map Sheet No. 45 D/7 [Northings: 73-83 Eastings: 91-01] and answer the following questions:

(a) Give six figure grid reference for: (2)

(i) Surveyed tree 219 north east of Pirojpura settlement.

(i) Triangulated height 364 in the southern part of the map extract.

(b) What is the direction of flow of Banas river? Give one evidence for your answer.   (2)

(c) What do you understand by: (2)

(i) 12r in the grid square 9878 and

(ii) 180 in the grid grid square 9182.

(d) Calculate the area in kilometre of the region between 93 and 99 eastings and 76 and 81 northings.   (2)

(e) (i) What is the compass direction of settlement Juvol from settlement Arniwada?   (1)

(ii) Give the difference in altitude between the highest points on the map to the altitude of Moti Bhatamal.   (1)

(f) Name the feature depicted by: (2)

(i) Blue line in Balaram nadi

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(i) Brown patch in 9678.

(g) Name the drainage pattern found in: (2)

(i) 9782   (ii) 9478

(h) What do you infer about the climate of the region by the information provided on the map? Give evidences in support of your answer. (2)

(i) Name two manmade and two natural features in 9580. (2)

(j) What do the following denote: (2)

(i) Black vertical line running along with 93 eastings.

(ii) RS near Chitrasani settlement.

Q.II. On the outline map of India provided mark the following locations. (10)

1. Bangalore.

2. Lake Chilika.

3. Satpura Range.

4. Malwa plateau.

5. R. Jhelum.

6. An area of red soil.

7. The longitude 82 ½ degrees.

8. Gulf of Munnar.

9. Shade and label a Coromandel coast.

10. Mark and label the state who is highest producer of Manganese.

PART II-50 MARKS

Attempt any 5 questions from this section.

Question 3. (10)

1. Given below is the climatic data of station. Study the table and answer the questions that follow: (3)

Months	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Temprature In degree C	13.7	16.6	21.6	25.5	33.2	33.5	30.8	29.8	29.2	25.5	19.6	15.2
Rain (Cms)	2.5	2.0	1.5	0.9	1.5	7.5	17.8	18.5	12.5	1.0	0.2	1.5

   a. Calculate the annual range of temperature.
   b. What is the total rainfall experienced by the station?
   c. Which is the driest month?

2. Give reasons for the following: (3)

   a. Rainfall decreases as one travels up the Ganges Valley.

   b. Kerala has the longest rainy season

   c. Why are Himalayas called perfect climate divide?

3. Which type of climate is experienced in the Northern Plains of India? State one main characteristic of this type of climate. (2)

4. The Coromandel coast has more rainy months but less rainfall than the Konkan Coast. Why? (2)

Question 4. (10)

1. State three methods in brief of controlling of soil caused by running water. (3)

2. Define following: (3)

    (i) Pedogenesis.   (ii) Bhangar   (iii) Humus

3. Differentiate between Sheet erosion and Gully erosion. (2)

4. How is Regur soil is formed? Mention its two properties of Regur soil. (2)

Question 5. (10)

1. Explain why the forest cover in India is shrinking? (3)

2. Mention three methods for the conservation and development of forests in India. (3)

3. Name any two important trees of a tropical evergreen forest and states it's uses (2)

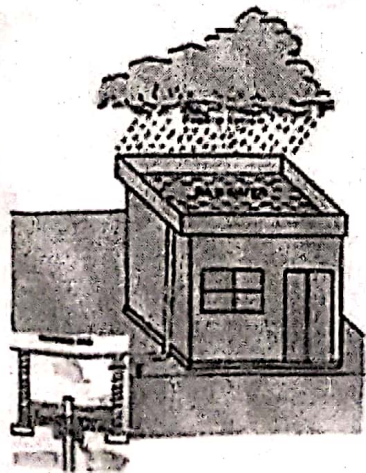4. Distinguish between Agro forestry and Social forestry. (2)

Question 6. (10)

1. Answer the following questions: (3)

    a. State two reasons why irrigation is important in India.

    b. What is tube well? Why is it useful during drought conditions?

2. Answer the following questions: (3)

  a) Name the activity shown in the diagram. (1)
  b) Name the objectives of activity. (2)

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3. Why are perennial canals more useful than inundation canal? (2)

4. Why well irrigation still a popular means of irrigation? Give two reasons to support your answer? (2)

Question 7. (10)

1. Give a geographical reason for each of the following: (3)

    a. Many port cities have their own oil refineries.

    b. Petroleum is called a fossil fuel.

    c. Coal is called a versatile mineral.

2. With reference to non conventional sources of energy answer the following questions: (3)

    a. Why are non conventional sources of energy preferred to conventional sources of energy?

    b. State briefly how the sun's energy can be used to generate power.

3. Answer the following questions: (2)

    a. Name an important coal field located in West Bengal.

    b. Name an off-shore oil field of India.

4. Answer the following questions: (2)

    a. Which type of coal is mostly used in iron and steel industries?

    b. Which state is largest producer of Mineral oil?

Question 8. (10)

1. Mention three differences in geographical conditions and cultivation of rice and wheat. (3)

2. Give geographical reasons for the following: (3)

    a. Tea is grown in hill slopes.

    b. Jute has to be retted.

    c. Tea bushes are pruned at regular interval

3. What is mixed farming? Mention any one benefits of mixed farming? (2)

4. Explain the following terms: (2)

    a. Subsistence farming   b. Ratooning.

Question 9. (10)

1. With reference to sugar industry answer the following questions (3)

a. Name any two byproducts of sugar industry. (1)

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b. Why is the sugar industry highly dispersed in India? (2)

2. (i) Name the raw material required by the petrochemical industry.

(ii) Mention two products of this industry.

(iii) Give a reason why petrochemical products are gaining importance

3. Answer the following questions: (2)

    a. Name the two important centers of electronic industry in India.

    b. Name two petrochemical units in India.

4. Classify industries on the basis of the nature of products. (2)

Question 10. (10)

1. Discuss briefly about Golden Quadrilateral under following headings: (3)

a. What is it?   b. How it can help in economic integration?

c. Advantages of Golden Quadrilateral.

2. (i) Write a brief note on inland waterways. (2)

   (ii) Name two areas where helicopter services may be used? (1)

3. Why has the importance of inland waterways declined? (2)

4. Why is the Railway system divided into Zones? How many Railway Zones are there? (2)

Question 11. (10)

1. Methane is an air pollutant that causes Greenhouse effect'. Name three sources of this gas. (3)

2. How does waste accumulation affect the environment? (3)

3. What is Greenhouse effect? (2)

4. What causes the following: (2)

    a. The Bhopal Tragedy

    b. The Minamata Disease

--------------------------------------THE END--------------------------------------