Nayak's Tutorials

Way to Excellence

Year: 2024-25 | **Practice Paper-1** | **Marks :- 80**
Std:- X ICSE | **Geography** | **Duration :- 2 Hrs**

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 ( ).

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. 45 D/10** must not be taken out of the examination hall. It must be handed over to the Supervisor on completion of paper.
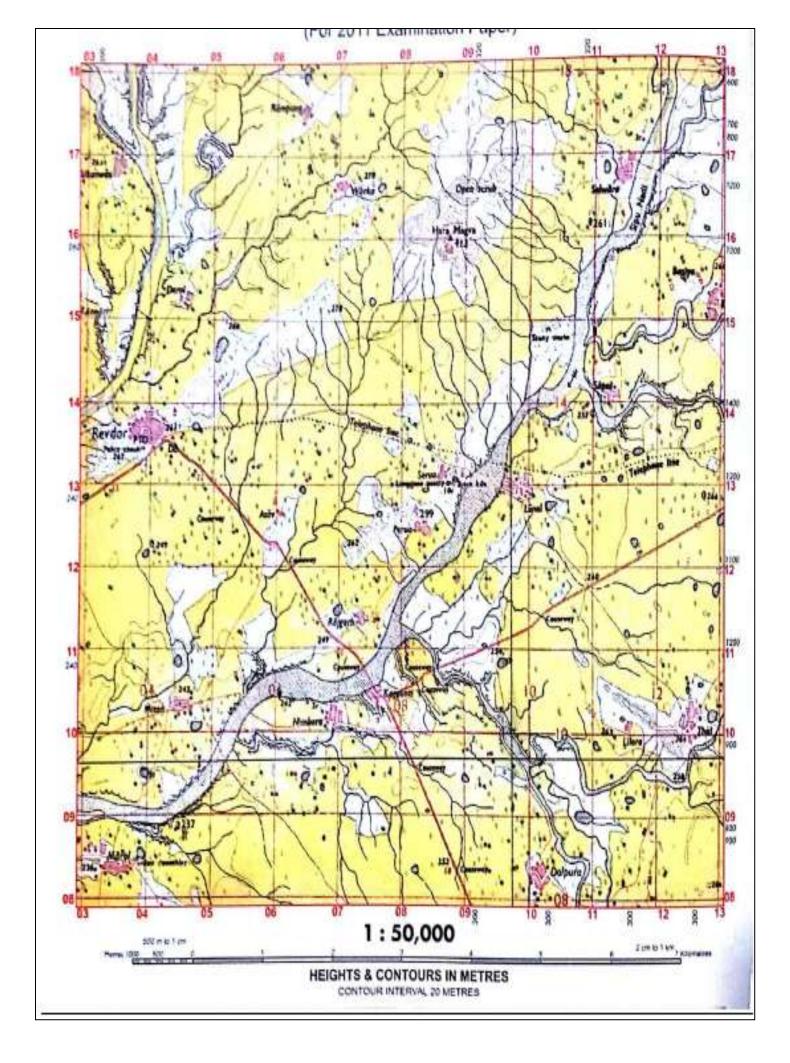 iii. All sub–sections of the questions attempted must be answered in the correct serial order.

PART I (30 Marks)
(Attempt **all** questions from this **Part**)

Question 1

Study the extract of the **Survey of India Map Sheet No. 45 D/10** and answer the following questions:

i. Write the four–figure grid reference of the following –
a) Revdar   b) Warka   **(02)**

ii. a. Mention the verbal scale of the map.   **(02)**
b. Name any one man made features in grid square 0713.

iii. What is contour interval? What is the contour interval used in the map?   **(02)**

iv) Give two map evidences to show that the region has a seasonal rainfall.   **(02)**

v) In which course the Sipu Nadi is flowing? Give two evidences for your answer. **(02)**

1 : 50,000

HEIGHTS & CONTOURS IN METRES
CONTOUR INTERVAL 20 METRES

Question 2

On the outline map of India mark and name the following: (10)
a.   Draw and name the Standard Meridian
b.   Label the river Indus
c.   Mark with a dot and name Delhi
d.   Mark Mumbai High
e.   Mark with an arrow and name the North east monsoon winds
f.   Shade and name Thar Desert
g.   Mark and label – Nathu La Pass
h.   Shade Deccan Plateau
i.   Shade a region with Red Soil
j.   Use an arrow to point at a sparsely populated state.

Question 3

Choose the correct Answer: (10)

1. Which place in Meghalaya gets an amount of rainfall in single day which is equal to ten years of rainfall Jaisalmer?

A. Mawsynram
B. Cherrapunji
C. Garo Khasi Jaintia
D. Tura

2. Which of the following causes weak drought like situation in the Indian sub continent?

A. Western disturbances
B. La nina effect
C. El nino effect
D. Easterly jet streams

3. How can regions of laterite soil be made suitable for cultivation?

A. By following afforestation practices.
B. Mixing some bases to neutralise the soil.
C. By making embankments near river to reduce erosion through flooding
D. Adding manures

4. Mahua, semal, palash are found in –

A. Commercially most exploited
B. Areas of moderate or low rainfall
C. Regions of annual temp of 24 deg –27 deg with 50–80% humidity.
D. All of the above

5. Trees which have symbiotic relationship with stinging ants –

A. Babool
B. Agave
C. Acacia
D. Amaltas and acacia

6. What is the   objective of social forestry?

A. Providing land to rural people for cultivation
B. Provide minor forest products to rural people
C. Integrated forest development
D. B and C

7. Small bund of earth or stones built across a stream to impound water which is then led to cultivated field is –

A. Canals
B. Tank

C. Well

D. Tube well

8. Sheet erosion occurs in –

    A. Plains– as large layer of soil gets eroded

    B. Hills –as water doesn't sink in ground

    C. Valleys– as eroded material forms layer here

    D. A and C

9. Haldia port is in –

A. West Bengal   B. Odisha   C. Andhra Pradesh   D. Tamil Nadu

10. About 90 percent of iron ore is used to make –

A. aluminium   B. steel   C. batteries   D. manganese

PART II (50 Marks)
(Attempt <u>any five</u> questions from this Part)

Question 4

a) Name the type of climate prevailing over India. Mention any two factors responsible for it. [2]

b) State two important characteristics of the south–west monsoon rainfall. [2]

c) Give reason for the following [3]

(i) The annual rainfall in Rajasthan is less than 25 cm.

(ii) The coromandel coast gets more rain during the winter.

(iii)The coastal areas of India do not experience a significant variation in temperature between summer and winter months.

d) Study the climatic data given below and answer the questions that follow: [3]

Month	Jan	Feb	March	April	May	June	July	August	Sept.	Oct.	Nov	Dec
Temp. in degree C	23.8	25	27.7	28.3	30.2	30.3	30.4	30.3	30.3	30.3	25.5	24.2
Rainfall in cm	0	0	1.1	1.5	2.1	45.3	46.5	45.4	43.3	20.1	3.0	0.1

    i)What is the total rainfall during the monsoon season?

    ii) Calculate the mean annual temperature.

    iii)Which type of climate does the station have? Give a reason for your answer.

Question 5

  a) Mention two differences between the alluvial soil of the northern plains and the soil of the coastal plains India. [2]

b) Name the process by which laterite soil is formed. Mention one disadvantage of this soil. [2]

c) State any three characteristics of black soil which make the soil fertile. [3]

d) Give geographical reason for the following: [3]

(i) Khadar soil are better than Bhangar soil.

(ii) Alluvial soil differs in texture.

(iii) Black soil does not get leached.

Question 6

  a) State any two methods of controlling soil erosion. [2]

  b) Write two advantages of red soil. [2]

c) Define the following: [3]

(i) Sheet erosion

(ii) Soil Conservation

(iii) In situ soil

d) Give geographical reason for the following: [3]

(i) Need for soil conservation.

(ii) Red soil is red in colour.

(iii)Different region in India have different Kinds of soil.

Question 7

a) Why are inundation canals being changed into perennial canals? Give two reasons.   [2]

b) Name two states in which tube wells are extensively used. Give a reason to explain its importance as a source of irrigation.   [2]

c) Name two methods of water harvesting in India. Mention two objectives of rainwater harvesting.   [1+2]

d) Give geographical reason for the following: [3]

 (i) Canal irrigation leads to the ground around it becoming unproductive.

 (ii) The drip method of irrigation is the best among all modern methods of irrigation.

 (iii) Irrigation is necessary despite the monsoon

Question 8

(i) Write two differences between hematite and magnetite?   (2)

(ii) a. What is geothermal energy?   (2)

   b. State two significance.

(iii) Explain how biogas can be generated and mention its uses.   (3)

(iv) State three advantages of wind energy.   (3)

Question 9

(i) Explain the importance of agriculture for the Indian economy.   (2)

(ii) State two disadvantages of Green Revolution on Indian Agriculture?   (2)

(iii) State one feature each of –   (3)

a. Dibbing

b. Withering

c. Ginning

(iv) Give reason for the following: (3)

a. Tea plants require regular pruning.

b. Jute is known as the golden fibre.

c. Cotton grows very well in Gujrat and Maharashtra.

Question 10

(i) a. What is agro industry?   (2)

   b. Name two leading agro industries in India.

(ii) Write two problems of Textile industry.   (2)

[iii) Write locational advantages of TISCO?   (3)

(iv) Why are Petro chemical industries becoming popular?   (3)

Question 11

(i) Write two advantages of airways.   (2)

(ii) What are Broad Gauge and Metre Gauge rail?

(iii) Name the following –   (3)

a. The largest port in India.

b. The port that was built to release pressure on the Kolkata port.

c. The port on the lagoon in India.

(iv) Give reasons for the following (3)
a. Coal and iron ore are the best transported by rail.
b. The northern plains have a dense network of transport lines
c. Airport are built in cities not in small villages.

Question 12
(i) What is the difference between composting and vermi composting. (2)
(ii)   a. What is bio medical waste? (2)
b. Why is their safe disposal mandatory?
(iii) Explain the following:
a.   Incineration
b.   Manure
c.   Sludge (3)
(iv) Give Reason for each of the following – (3)
a. Social media plays in important role in waste management.
b. Chances of groundwater contamination is less in sanitary landfills.
c. Sewage drains must be kept well maintained in every household.

****