

St. Mary's Convent Inter College , Prayagraj
First Terminal Examination 2024-25

Time: 2hrs

Class 10
Geography

M.M :80

Name Roll No..... Date.....

**ATTEMPT ALL THE QUESTIONS OF SECTION A
& ANY FIVE QUESTIONS OF SECTION B**
SECTION-A

Question 1

Study the extract of the Survey of India Map sheet No. G43S7 and answer the following questions:

- i) a) What type of settlement is Rampura (2809). [2]
b) Mention two man-made features seen in Panthawada (2611).
- ii) a) Write four-figure grid reference of settlement Mahudi Nani (Kheda). [2]
b) Write four-figure grid reference of Δ 198 in south-eastern side of the topographical sheet.
- iii) a) What does sluice stand for in grid square (2502). [2]
b) What is the pattern of drainage in grid square (3011)? 2606
- iv) a) Calculate the area enclosed by easting 23 to 26 and northing 08 to 12. [2]
b) What is the compass direction of Panthawada (2611) from Rampura (2809).
- v) a) Write in a single sentence what is meant by 1:50,000 as stated on the topographical sheet. [2]
b) What do you understand by .10r in (2709).

Question 2

On the outline map of India provided

[1x10=10]

- a) Mark and label River Indus
b) Mark and label River Mahanadi
c) Mark and label the longitude which is used to determine the standard time of India. (Mention only the name, value and direction of the longitude on the Map)
d) Mark and label any West Flowing River of India (Mention the name of river on the map)
e) Shade and label the area of Alluvial soil on Eastern Coastal Strip of India
f) Mark and label Gulf of Kutch
g) Mark with arrow the direction of North- East Monsoon Winds
h) Mark and name Thar Desert
i) Mark and label Western Ghats
j) Mark and label the Karakoram Pass

Question 3

Multiple choice questions

[1x10=10]

- i) Temperature decreases with increasing altitude at the rate of
a) 1°C for every 180m b) 5°C for every 197m
c) 1°C for every 166m d) 5°C for every 120m
- ii) One factor which unifies the climate of India is
a) Monsoon b) Tides
c) Ocean current d) Temperature
- iii) The soil with the unique property of being building material
a) Red Soil b) Black Soil
c) Alluvial Soil d) Laterite Soil
- iv) Silviculture means
a) Timber Farming b) Silk Production
c) Inland Fishing d) Extraction of silver mineral
- v) In which state Tropical Evergreen Forest is **not** found in India
a) West Bengal b) Kerala
c) Rajasthan d) Tamil Nadu

(iv) Study the climatic data of station X and answer the following questions:

[3]

Month	Jan	Feb	Mar	Apr	May	Jun	July	Aug	Sep	Oct	Nov	Dec
Temp (°C)	23.1	24.8	26.5	29.3	32	32.8	33.1	32.1	30.5	29.3	28.7	26.1
Rainfall (cm)	7.3	1.1	0.3	0.1	1.3	4.5	6.1	8.2	8.5	20.1	20.8	9.0

- What is the annual range of temperature of station X ?
- Which is the rainiest month of the year?
- Name the wind that brings rainfall in station X ?

Question 5

- Gajanan has a farm where cotton is the most grown crop. The soil of his farm land is *in-situ* i.e. formed where they are found. However, the soil is deficient in phosphate, nitrogen and organic matter. [2]
 - Identify the soil that is being discussed in the above passage?
 - Write one state where the above mentioned soil is found?
- Write two states where Alluvial Soil is found? [2]
- What is soil erosion. Mention two efforts made by man to prevent soil erosion? [3]
- Seema, lives in a village in Tamil Nadu where the soil is formed due to weathering of ancient crystalline and Metamorphic rocks. This soil occupy an area of about 3.5 lakh sq. km which is about 10.6 percent of the total land area of the country. [3]
 - Name the soil of Seema's village?
 - Write two characteristics of the soil that is being discussed in the above passage?

Question 6

- What is the difference between Inundation Canal and Perennial canal? [2]
- Mention the rainwater harvesting technique of [2]
 - Rajasthan
 - Gujarat
- Irrigation by well has been the age old method supplying water for domestic agriculture and drinking. With reference to well irrigation answer the following questions: [3]
 - Write two favourable conditions for digging wells?
 - write any one state where well irrigation is prevalent?
- Name any two modern methods of irrigation. Write one advantage of any one of them? [3]

Question 7

- To which type of forest does the following trees belong: [2]
 - Hintal and Sundari
 - Rosewood and Ebony
- Give reason for the following: [2]
 - Why Tropical Deciduous Forests are economically most important?
 - The tidal forests occur in and around deltas?
- Explain why the forest cover in India is shrinking? [3]
- With reference to Desert and Semi-Desert Vegetation answer the following questions: [3]
 - Name one region where it is found?
 - Mention the temperature and rainfall condition suitable for its growth?

Question 8

- (i) Write any two disadvantages of Coal Energy? [2]
- (ii) Name the river and state in which Hirakud Dam is located? [2]
- (iii) With reference to Bauxite answer the following question: [3]
 - (a) State two uses of Bauxite?
 - (b) Name a place in India where it is found?
- (iv) *India is endowed with vast solar energy potential. About 5,000 trillion kWh per year energy is incident over India's land area with most parts receiving 4-7 kWh per sqm per day. Solar photovoltaic power can effectively be harnessed providing huge scalability in India. - (<https://mnre.gov.in/solar-overview/>)* [3]
 - (a) What are the advantages of Solar Energy?
 - (b) Name any other non-conventional source of energy?

Question 9

- (i) Give two reasons for the "means of transport" being called the lifelines of a national economy? [2]
- (ii) Write one special feature of the following National Waterways in India: [2]
 - a) National Waterway 1
 - b) National Waterway 3
- (iii) With reference to railways answer the following questions: [3]
 - (a) Write two advantages of railways?
 - (b) Write one disadvantage of railways?
- (iv) Write three disadvantages of Water Transport? [3]

Question 10

- i) a) Name two broad Categories or type of Indian Agriculture? [2]
 - b) Out of the two categories mentioned above Shifting or Slash and burn or Jhooming will come in which category?
- ii) a) What is plantation farming? [2]
 - b) Mention any two main features of plantation Farming?
- iii) With reference to three main crop seasons in India answer the following question: [3]
 - a) Name the three main crop seasons?
 - b) Mention one major crop of each season?
- iv) Discuss any three problems of Indian Agriculture? [3]

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