



Narsee Monjee Educational Trust's  
**JAMNABAI NARSEE SCHOOL**

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## SECOND PRELIMINARY EXAMINATION, JANUARY 2019 GEOGRAPHY

Class: 10

Marks: 30

Time: 2hrs.

Date: 09/01/19

*Answer to this paper must be written on the paper provided separately.*

*You will not be allowed to write during the first 15 mins.*

*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*

*Kindly attach the map to your answer scrip.*

*The extract of survey of India Map sheet must not be taken out of the examination hall.*

*It must be handed over to the supervising examiner on completion of the Paper.*

*All subsections must be answered in the correct order.*

*All map work should be done neatly and use arrows to indicate the position of features marked also label every feature*

*The intended marks for questions are given in [ ]*

*This paper consists of 6 printed pages and a map*

### PART I (30 marks)

(All questions are compulsory)

#### Question 1

Study the extract of the Survey of India Map Sheet no. 45D/10 (2014) and answer the following questions.

a. Give the four-figure grid reference of:

(i) Spot height 310. [2]

(ii) Police Chowki at Dantrai.

b. Explain the following

(i) Number 300 along the brown continuous line in 0426. [2]

(ii) The Brown broken line in the grid 0423.

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c. Answer the following question with reference to the Dior Nadi. [2]

(i) State the direction in which it flows?

(ii) On which bank of the river is the settlement of Dangrali?

d. Find the direct distance between temple in 0424 and spot height 339 in 0427. [2]

Write your answer in KMS

e. (i) Mention one occupation followed by the people of Dantrai. [2]

(ii) How is the Dantrai connected to Dhana?

f. Calculate the area between Eastings 03 and 06 and Northings 24 to 28. [2]

g. In which stage is the Dior nadi. Give a reason. [2]

h. Name the different sources of irrigation shown in the southern part of the map extract [2]

i. Define fire line. [2]

j. Explain 4r in 0218. [2]

## Question 2

On the outline map, mark and label the following: [10]

a) Nathula Pass

b) Western Ghats.

c) Draw and number the Standard Meridian.

d) Label the river Yamuna.

e) Malabar Coast

f) Mark Thar desert.

g) Gulf of Kutch.

h) Mark with a red dot Chandigarh.

i) Winds which bring rain to Coromandel Coast in December.

j) An area where laterite soil is found in the north east.

PART II

Kindly attempt only five questions from this section

Question 3

- A) Name the winds that give rain in Punjab and Tamil Nadu in winter. [2]
- B) Give two important characteristics of the South West Monsoon rainfall. [2]
- C) Give reasons for the following: [3]
- i) Jammu and Kashmir receive rain much later than Kerala.
  - ii) Shillong receive less rain than Cherapunji.
  - iii) When Malabar Coast is receiving heavy rainfall in July, Coromandel Coast is dry.
- d) Study the climate data given below and answer the question that follows. [3]

Station A:

Month	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Temp (°C)	16.8	19.2	26.6	29.8	33.3	33.9	31.3	29	20.1	27	20.1	14.9
Rainfall (cm)	0.5	0.6	0.3	0.3	1.0	3.1	10.8	13.1	5.7	30.8	0.3	0.2

Station B:

Month	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Temp (°C)	24.5	25.7	27.7	30.4	33	32.5	31	30.2	29.8	28	25.9	24.7
Rainfall (cm)	4.6	1.3	1.3	1.8	3.8	4.5	8.7	11.3	11.9	30.6	35.0	13.9

- i) Calculate the average annual rainfall for station B.
- ii) Calculate the range of temperatures for both stations and mention which one lies away from the coast?
- iii) Name the season when station B receives the heaviest rainfall.

Question 4

- a) Name the following: [2]
- i) A fibre crop grown on black soil
  - ii) A beverage crop grown on laterite soil
- b) Distinguish between: [2]
- i) Alluvial soil and red soil.
  - ii) In-situ soil and ex-situ soil.

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c) State the geographical terms for the following:

[3]

- i) Process by which nutrients percolate into the lower layers of soil.
- ii) Deliberate effort made by man to check soil erosion.
- iii) Rows of trees planted against the direction of wind to check soil erosion.

d) Give reasons for the following:

[3]

- i) Large tracts of Maharashtra are covered by black soil.
- ii) Humus is an important component of soil.
- iii) Sheet erosion is highly detrimental.

### Question 5

a) Give one point of difference between Evergreen forests and Deciduous forest.

[2]

b) Differentiate between Afforestation and re-afforestation.

[2]

c) i) Name the forest found on the western slopes of the Western Ghats.

[3]

ii) What are the temperature requirements of these forests?

iii) Why is it difficult to exploit these forests?

d) Give a reason for the following.

[3]

i) Forest areas have depleted in the country.

ii) Sundarbans are so called.

iii) Social forestry helps the environment.

### Question 6

a) Why are Inundation canals being converted to Perennial canals?

[2]

b) Name one primitive and one modern source of irrigation.

[2]

c) i) Mention why Tank irrigation is preferred in peninsular India.

[3]

ii) State two disadvantage of this method of irrigation.

d) Give a reason to justify each the following statements:

[3]

i) Sprinkler irrigation has its benefits.

ii) Tube wells have an advantage over surface wells.

iii) Rainwater harvesting is the need of the day.

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Question 7

- a) State any two important uses of copper. [2]
- b) Mention the states which are the leading producers of [2]
- i) Iron ore
  - ii) Manganese
- c) Answer the following questions with respect to petroleum. [3]
- i) Name the largest mineral oil producing state of India.
  - ii) Name the oldest oilfield in India.
  - iii) The type of rock in which it is found.
- d) Answer the following questions with respect to nuclear power. [3]
- i) Name a nuclear power plant of Maharashtra.
  - ii) A raw material used for nuclear power generation.
  - iii) A major problem of nuclear power generation.

Question 8

- a) Mention any two features of Plantation farming. [2]
- b) Give two geographical requirements of wheat? [2]
- c) Explain the following terms: [3]
- i) Retting
  - ii) Ginning
  - iii) Broadcasting
- d) Give a geographical reason for each of the following: [3]
- i) Tea bushes require regular pruning.
  - ii) Millets are known as dry crops.
  - iii) Oilseeds are an important commercial crop grown in India.

Question 9

- a) Why are industries beneficial for the economy of the country? [2]
- b) State two differences between large-scale and small-scale industries. [2]

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c) Give reasons for the following:

[3]

- i) Sugar industry is gradually shifting to peninsular India.
- ii) Mini steel plants cause less pollution than integrated steel plant.
- iii) The electronic industry has an impact on both entertainment and education.

d) Name a manufacturing centre for each of the following:

[3]

- i) Engines for MIG air craft
- ii) Diesel Locomotives
- iii) Software

Question 10

a) i) What is the biggest advantage of airways?

[2]

ii) State the importance of transport in India.

b) Mention two disadvantages of waterways.

[2]

c) i) State one reason why rivers of the North are more suitable for navigation than rivers in the southern part of India.

[3]

ii) Mention one advantage and one disadvantage of Roadways.

d) Name the following:

[3]

i) The oldest road constructed to connect Kolkata and Peshawar.

ii) India's first expressway in Maharashtra.

iii) The National airline of India.

Question 11

a) What are the effects of Acid rain on humans and monuments?

[2]

b) i) How does Eutrophication affect aquatic life?

[2]

ii) Mention one factor responsible for Eutrophication.

c) i) Give two reasons as to why should waste be disposed safely?

[3]

ii) Name the 3 R's in waste management?

d) i) Mention two advantages of sanitary landfills.

[3]

ii) What can you do to reduce waste at home as well as in school?

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