



PRELIMINARY EXAMINATION 2018- 2019

Subject: Geography
Std. X A

Date: January 17, 2019
Time: 2 Hours
(plus 15 minutes reading time)
Marks: 80

Answers to this Paper must be written on the answer sheet 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 []

This paper consists of 7 printed pages and 1 outline map.

To be supplied with this Paper: Survey of India Map Sheet No. 45 D/10 and 20 cm of twine.

Note:

- (i) *In all Map Work, make wise use of arrows to indicate positions of countries, cities and other insertions, to avoid overcrowding parts 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 Supervising Examiner on completion of the Paper.*
- (iii) *The Map given at the end of this question paper must be fastened to your answer booklet.*
- (iv) *All sub-sections of each question must be answered in the correct serial order.*
- (v) *All working, including rough work, should be done on the same answer sheet as the rest of the answer.*

PART-I (30marks)

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. [20]**
- (a) Give the six figure grid reference for: [2]
- (i) . 437 near Bhuni Magri.
- (ii) Prominent surveyed tree 271.
- (b) Name the following: [2]
- (i) The drainage pattern seen in 2510.
- (ii) The white patch in grid square 1713.
- (c) What do the following symbols mean? [2]
- (i) Fireline in 2316 (ii) Black dotted line in 1710
- (d) (i) What is the difference between the open mixed jungle and dense mixed jungle? [2]
- (ii) Why is there an absence of forests in the western part of the map extract?
- (e) What kind of rainfall does the region receive? Give two natural features from the map to support your answer. [2]
- (f) Calculate the area of the region between 9-13 Northing and 18-25 easting. Give your answer in Kilometer. [2]
- (g) Mention any two manmade features and two natural features in grid square 2111. [2]
- (h) What is the distance in kilometers along the metalled road from the Causeway (173158) to the distance stone 20? [2]
- (i) Mention [2]
- (i) The highest point in the Map extract.
- (ii) The main occupation of the people of Abu.
- (j) (i) What is the compass direction of Anadra (1615) from Bamba (1914)? [2]
- (ii) Identify the landform marked by the contours in 2113.



Question 2 Mark and name the following in the outline map of 'India' provided. [10]

- (a) Mark and label Palk Strait.
- (b) Label the river Brahmaputra.
- (c) Shade and name the Chilka Lake.
- (d) Shade and label Coromandel coast.
- (e) Mark and name Mount Godwin Austin.
- (f) Shade and label a sparsely populated region in India.
- (g) Shade and label a region with laterite soil in South India.
- (h) Mark with a dot and name Chandigarh.
- (i) Mark and label the Western Disturbances.
- (j) Mark with a dot and name Digboi.

PART- II (50 Marks)

Attempt any five questions from this Part

Question 3 Answer the following questions briefly :-

- (a) Write any two features of the hot weather season in India with reference to the temperature and pressure conditions [2]
- (b) What are the reasons for the retreat of monsoons? [2]
- (c) Give reasons to explain the following:- [3]
 - (i) Distribution of monsoon rainfall in India is not uniform.
 - (ii) In Bhopal one can see the mid-day sun exactly overhead twice a year, while at Delhi, north of it, one is not able to see it even once.
 - (iii) The Deccan Plateau receives light showers during the south west monsoon.
- (d) What is a 'rain shadow area'? Name two places in India where rain shadow areas are found. [3]

Question 4 Answer the following questions briefly :-

- (a) Why is laterite soil acidic in nature? Name two crops that grow [2]

- well in laterite soil.
- (b) With reference to red soil answer the following:- [2]
(i) Why is it called a residual soil?
(ii) Why is the soil suitable for dry farming?
- (c) Give geographical reasons for the following:- [3]
(i) Black soil is referred to as 'self ploughing soil'.
(ii) Bhangar soil is not suitable for cultivation.
(iii) Soil fertility depends on the presence of humus.
- (d) Explain the following terms: [3]
(i) Shelter belts.
(ii) Strip Cropping.
(iii) Gully erosion.

Question 5 Answer the following questions briefly :-

- (a) (i) Name an area in India where Tropical Evergreen forest are found. [2]
(ii) Why are these forests difficult to exploit on a commercial scale?
- (b) With reference to Montane Vegetation in the Himalayan region, answer the following: [2]
(i) What is the economic importance of the trees found in this region?
(ii) Why does the type of vegetation change with the increase in altitude?
- (c) (i) Name a state in India where littoral forests are found. [3]
(ii) Give two ways by which trees found here have adapted to the littoral conditions.
- (d) What is social forestry? State any two features of 'Social forestry'. [3]

Question 6 Answer the following questions briefly :-

- (a) What is irrigation? What are the two main sources of irrigation in [2]



India?

- (b) What are tubewells? Why are they useful even during droughts? [2]
- (c) Give geographical reason for the following:- [3]
- (i) Canal irrigation is suitable in plains.
- (ii) Inundation canals are not suitable for irrigation.
- (iii) Sprinkler irrigation is advantageous for the farmer.
- (d) (i) What is watershed management? [3]
- (ii) State two advantages of rainwater harvesting.

Question 7 Answer the following questions briefly :-

- (a) Name the ore from which copper is extracted. State the most important property of copper. [2]
- (b) How is Solar energy generated? Name a state which receives the highest amount of Solar Energy? [2]
- (c) Answer the following: [3]
- (i) What are multipurpose projects?
- (ii) State one point of difference between Tertiary coal and Gondwana coal.
- (iii) What is magnetite? Why is it named so?
- (d) Give a geographic reason for each of the following:- [3]
- (i) Natural gas is emerging as a popular fuel.
- (ii) Anthracite coal is suitable for domestic use.
- (iii) Manganese is an important mineral for the production of steel.

Question 8 Answer the following questions briefly :-

- (a) With reference to cultivation of jute, answer the following questions. [2]
- (i) State the temperature and rainfall conditions required for the cultivation of Jute.
- (ii) Why is jute cultivated on riverbeds?

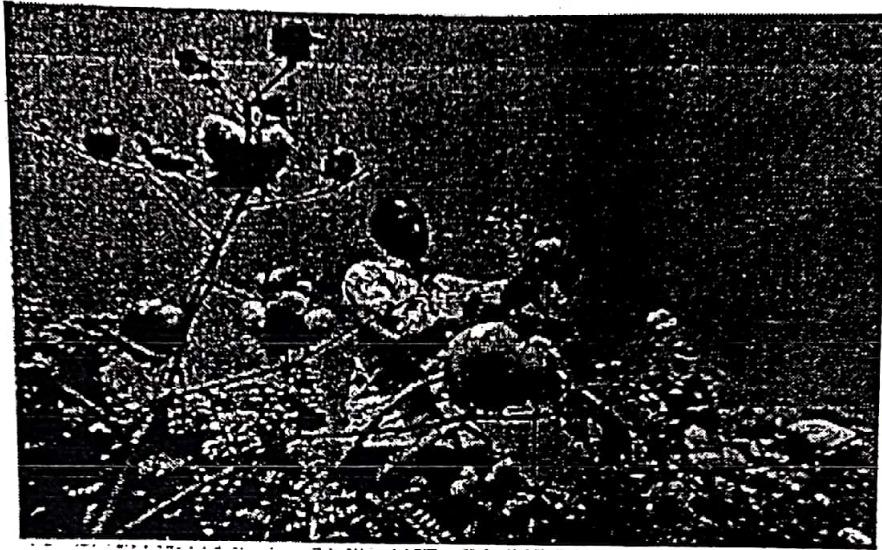


(b) With reference to wheat cultivation answer the following. [2]

(i) Why is winter rain beneficial for the wheat crop?

(ii) What type of soil is suitable for wheat cultivation?

(c) Study the picture given below and answer the questions that follow: [3]



(i) Identify the crop. Name the state leading in the production of this crop.

(ii) Why are the crops harvested in October?

Name two varieties of this crop.

(d) Give geographical reasons for the following:- [3]

(i) Trees like cardamom, pepper and orange trees planted in coffee plantations.

(ii) Sugarcane is harvested before winter in North India.

(iii) Oilseed is an important commercial crop.

Question 9 Answer the following questions briefly :-

(a) Answer the following questions with respect to the Vishakhapatnam Steel Plant. [2]

(i) From where does the plant get its supply of iron ore?

(ii) What are the main products of this plant?



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- (b) Mention any two problems faced by the Silk Industry. [2]
- (c) Give the geographic reason for each of the following: [3]
- (i) Bengaluru is the leading centre for software.
- (ii) The cotton textile industry requires humid climate.
- (ii) Mini steel plants help to reduce the consumption of coal.
- (d) With reference to the petrochemical industry, answer the following questions: [3]
- (i) Name two products of this industry.
- (ii) Why is this industry located close to an oil refinery?

Question 10 Answer the following questions briefly :-

- (a) How does transport influence the Industrial development of the country? [2]
- (b) What are the two advantages of Inland waterways? [2]
- (c) (i) What are expressways? [3]
- (ii) Name the highest constructed Border Road.
- (iii) Why are roads regarded as feeders to railways?
- (d) (i) Why is coastal shipping important in India? [3]
- (ii) Why was the Haldia port built?
- (iii) Name the oldest port in India. Name two products that it handles.

Question 11 Answer the following questions briefly :-

- (a) Briefly give details of two people's movements which helped to bring in changes in environmental protection. [2]
- (b) Give two examples to explain how waste can be recycled. [2]
- (c) What factors must be kept in mind while planning a landfill? [3]
- (d) What is vermi composting? What is the advantage of vermi composting? [3]

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