

R. I. C. S. E.

SECOND PRE-BOARD EXAMINATION 2018-2019

STD. : X

MARKS: 80

SUB. : GEOGRAPHY

TIME: 2 HRS.

You will not be allowed to write during the first 15 minutes. This time is to be spent in reading the question paper. Attempt all questions in Part I (Compulsory). A total of five questions are to be attempted in Part II. All sub-sections of each question must be answered in the correct order. The intended marks for questions or parts of questions are given in brackets.

PART - I

Question I.

[10x2=20]

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

Eastings (01 - 11); Northings (18 - 28)

1. i) Give four figure reference of Idarla.
ii) Give six figure grid reference of the temple in the settlement Jolpur.
2. i) What does the blue color circle in the grid square 0924 indicate?
ii) What is the direction of Dantrai from Jolpur?
3. i) What is difference between the pattern of settlement in 0725 & Bhamra?
ii) What is difference in drainage pattern 0624 & 0824?
4. i) What is the value of the contour line in grid square 0923?
ii) What is the contour interval of the map?-
5. i) What is the black vertical line between eastings 09 & 10 indicate?
ii) What is 301 in the grid square 0524 indicate?
6. i) What is meant by R.F. of the map?
ii) What does Dep indicate?
7. What are the chief forms of irrigation shown in the map? Why is it necessary?
8. Find out the direct distance from the temple in the grid square 0318 & to a temple near Jolpur.
9. Name one natural feature in 0527 & a man-made feature in 0325.
10. Mention appropriate evidence that the region in the map extract is rural.

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Question II.

[10x1=10]

On the outline map of India mark and label the following.

- a) Draw the Standard Meridian of India.
- b) Shade and label an area of laterite soil in the eastern part of India.
- c) Mark and name the Aravalli Mountain.
- d) Write 'S' and name Singhbhum.
- e) Label the river Krishna.
- f) Mark with a dot and name Chandigarh.
- g) Mark and name Mount K2.
- h) Draw an arrow and name the Western Disturbances.
- i) Shade and label a sparsely populated region in North India.
- j) Shade and label the Chilka Lake.

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PART - II

Question III.

- 1) Name source of winter rain to Punjab and to Tamil Nadu? [2]
- 2) What type of climate does India have? Name and explain any one factor affecting the climate. [2]
- 3) Study the climate data given below and answer the following.

Sta-tion	Months	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
A	Temp°C	14.4	16.7	23.3	30.3	33.3	33.3	30.0	29.4	28.9	25.6	19.4	15.6
	Rainfall cm	2.5	1.5	1.3	1.0	1.8	7.4	19.3	17.8	11.9	1.3	0.2	1.0
B	Temp°C	24.4	24.4	26.7	28.3	33.0	28.9	27.2	27.2	27.2	27.8	27.2	25.0
	Rainfall cm	0.2	0.3	0.3	1.0	1.8	50.6	61.0	24.8	24.8	24.8	1.0	0.7

- a) Calculate the annual rainfall in Station A. [1]
- b) What is annual range of temp in Station B? [1]
- c) Name the winds that bring maximum rainfall to Station B. [1]
- 4) Answer the following.
- a) Why central Maharashtra receives less rainfall? [1]
- b) Why northern plains have continental type of climate? [1]
- c) Kochi has a lesser annual range of temp than Agra. [1]

Question IV.

1. Answer the following. [2]
- a) Name the soil which supports the growth of tea and coffee.
- b) Which soil is largely found in Tamil Nadu?
2. Which are the two major agents of soil erosion? Explain each in brief. [2]
3. Give a reason for the following: [3]
- a) Alluvial soil is called riverine soil.
- b) Laterite soil is red in colour.
- c) The different parts in India have different types of soil.
4. Answer the following. [3]
- a) How is ex-situ soil different from in-situ soil?
- b) Mention any two soil conservation methods practised in India.
- c) Which characteristic feature of black soil makes it suitable for agriculture?

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Question V.

1. What is the name given to natural vegetation found in wet marshy areas and in river deltas? Name a typical tree found in these regions. [2]
2. State two characteristic features of tropical desert forest. [2]
3. To which type of forest do the following trees belong.

- a) Sundari [1]
 b) Rosewood and Ebony [1]
 c) Deodar and Cedar [1]
4. Give three reasons for rapid depletion of forest resources in India. [3]

Question VI.

1. Explain spray and drip irrigation. [2]
 2. The modern means of irrigation are gaining popularity. Why? [2]
 3. Give one reason for each of the following: [3]
 a) Canal irrigation is not well developed in South India.
 b) There is a need for water conservation in India.
 c) Tube Well irrigation is extensively used in Bihar and Uttar Pradesh.
4. Explain the following terms in brief: [3]
 a) Inundation canal.
 b) Rooftop rainwater harvesting
 c) Surface water

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Question VII.

1. Name two metallic minerals for which Balaghat district in Madhya Pradesh is famous. [2]
 2. Name the multipurpose river valley project that is built on river Mahanadi. How is it beneficial for Odisha? [2]
 3. Name the following: [3]
 a) Any two minerals used for generating atomic energy.
 b) A semiconductor device used for generating solar electricity.
 c) The energy derived by exploiting the interior heat of the earth.
4. Answer the following.
 a) Name two iron ore exporting ports in India. [2]
 b) Name the oldest oil field located in India. [1]

Question VIII.

1. Differentiate intensive and extensive farming. [2]
2. State two disadvantages of Ratooning. [2]
3. Describe the processing of jute. Name an inferior substitute of jute. [3]
4. Answer the following.
 - a) What kind of soil is needed for cultivation of wheat? [1]
 - b) Distinguish between Kharif and Rabi crops. [2]

Question IX.

1. With reference to silk industry, answer the following: [2]
 - a) Why is Karnataka the largest producer of mulberry silk?
 - b) Two varieties of non-mulberry silk produced in India.
2. Mention two problems of the sugar industry in India. [2]
3. Answer the following.
 - a) Which is the largest mineral based industry? [1]
 - b) What are mini steel plants? Write advantages of mini steel plant. [2]
4. Answer the following.
 - a) State any one condition necessary for the setting up of heavy engineering industry. [1]
 - b) Name any two heavy engineering industries in India. [2]

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Question X.

1. Roadways are always considered more important than any other means of transportation. Give two reasons in support of the statement. [2]
2. Mention one advantage and one disadvantage of water ways. [2]
3. Mention any three problems being faced by the Indian railways. [3]
4. What is the 'Golden Quadrilateral'? Mention any two ways in which it will help the economic development of the country. [3]

Question XI.

1. State two advantages of dumping waste on sanitary land field. [2]
2. State the consequences of global warming. [2]
3. Give three examples to show that social initiatives can help in minimize the use of resources. [3]
4. What is acid rain? How is it caused? What are its consequences? [3]
