

VIBGYOR HIGH

Second Preliminary Examination

2015-2016

GEOGRAPHY

Grade : X

Max. Marks : 80

Date : 06.01.2016

Time Allowed : 2 hours

INSTRUCTIONS:-

- Answers to this paper must be written on the paper 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 [].

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

NOTE:

- In all Map work, by a wise use of arrows to indicate positions of countries, cities and other insertions that you make, you will be able to avoid overcrowding parts of the map.
- The Map given at the end of this question paper must be fastened with your answer booklet.
- All sub-sections of each question must be answered in the correct order.

PART I (30 Marks)
(All questions are compulsory)

Question 1

Study the extract of the Survey of India Map Sheet number 45 D/7 and answer the following questions: (2004)

- a) Give the six figure grid reference of the following:
 - i) Δ 217 [2]
 - ii) Chhatri near village Juvol [2]
- b) What is the most important prominent feature seen in the bed of the main river and how it is formed? [2]
- c) What is the general direction of Arado Nadi? Give evidence for the same? [2]
- d) Calculate the distance along the cart track from village Ranol to Velavas. [2]
- e)
 - i) What is the main relief feature seen in the grid square 9284. [2]
 - ii) What does 7r in grid square 8689 indicates. [2]
- f) Bring out the difference between the drainage pattern in grid square 9388 and 9485? [2]
- g) Name and explain the term used for brown irregular lines and the digits written in brown in between these lines [2]
- h) What is the general occupation of the map extract, justify your answer. [2]
- i) Write the type of rainfall received in the region? Give reason for your answer. [2]
- j) Name two types of vegetation found in map extract. Give four figure grid reference for each. [2]

Question 2

On the outline map provided:

- a) Label the longest river of south India [1]
- b) Mark and label direction of retreating monsoon winds [1]
- c) Mark and label with a red dot the city located on sangam [1]
- d) Mark and label the mountains situated between Narmada and Tapti rivers [1]
- e) Mark and label IT capital of India [1]
- f) Shade and label the plateau that is the source of the Black soil in Peninsular India [1]
- g) Area of low density in North East India [1]
- h) Mark with a bold dot and label a place which is important Shipbuilding Industry in the east coast of India. [1]
- i) Mark and label mountains which form rain shadow area in Western Rajasthan. [1]
- j) Konkan Coast [1]

PART II (50 Marks)

(Attempt any five questions from this part)

Question 3

- a) Distinguish between: Kalbalsakhi and Mango Showers. [2]
- b) Which parts of India generally remain dry during advancing monsoon season and why? [2]
- c) Give reasons for each of the following: [3]
- Monsoon winds are known as the seasonal winds
 - The winds are dry and offshore during winters.
 - Chennai has a lower range of temperature than Lucknow.
- d) Study the table below and answer the question that follows:

Station	Month	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
A	Temp°C	12.7	15.1	22.1	31.8	37.2	39.1	37.3	33.4	28	26.7	16.1	13.6
	Rain(cm)	2.1	2.3	1.0	0.9	1.5	5.6	18.3	18.9	15.1	0.6	0.3	1.8
B	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
	Rain(cm)	15.3	10.1	0.3	0.1	1.3	4.5	6.1	10.2	10.5	20.1	16.8	19.0

- Calculate the annual rainfall in Station A.
- What is annual range of temperature in Station B?
- Name the winds that bring most of the rainfall to Station A. State one reason for your answer. [3]

Question 4

- a) What is the significance of soil as natural resource? [2]
- b) Give reason: [2]
- Alluvial soil is mainly found in Northern Plains.
 - Laterite is infertile soil.
- c) With reference to Regur soil, answer the following: [3]
- Two states where it is found.
 - Name any two crops grown in it.
 - Any two characteristics.
- d) Answer the following: [3]
- How does the shifting agriculture affect soil fertility?
 - 'Crop Rotation helps in retaining soil fertility.' Justify the statement.

Question 5

- a) Distinguish between 'Moist Deciduous forest and Dry deciduous forest'. [2]
- b) Name and give medicinal importance of any two trees which are found in Tropical desert forest. [2]
- c) With the help of definition bring out the difference in the following terms:
 i) Deforestation
 ii) Afforestation
 iii) Reforestation [3]
- d) Suggest and briefly describe any three measures for the conservation of forest in India. [3]

Question 6

- a) 'Well irrigation is confined mainly to alluvial plains'. Justify the statement. [2]
- b) Name two canal system for each:
 i) Punjab and Haryana
 ii) Uttar Pradesh
- c) What constrains of conventional methods lead to the utilization of modern irrigation methods? [3]
- d) Write different local names given to rain water harvesting in the following region:
 i) Western Himalayas
 ii) Gangetic Plains
 iii) Western Ghats [3]

Question 7

- a) What are the drawbacks of coal found in India? [2]
- b) Name two coastal oil-refineries, one on the west and one on east coast of India [2]
- c) i) Name an ore of aluminum.
 ii) Write any two uses of aluminum [3]
- d) Write any three characteristics of each 'Black' and 'Red' ore. [3]

Question 8

- a) Why is the government of India promoting use of organic fertilizers? [2]
- b) Compare geographical conditions suitable for the cultivation of wheat and rice. [2]
- c) Give Reason:
 i) 200 frost free days are necessary for growth of cotton plant.
 ii) Floods are beneficial for jute cultivation.
 iii) Soil is supplemented with manures and nitrogenous fertilizers. [3]

- d) With reference to tea cultivation, answer the following:
- Why hill slopes are more suitable for tea cultivation?
 - State advantage of pruning.
 - Why fermentation is necessary in tea processing. [3]

Question 9

- Write any two by-products of sugarcane and uses of the same. [2]
- Give Reasons:
 - Punjab is the leading state in the manufacture of woolen goods.
 - Shortage of raw material for Cotton Textile Industry. [2]
- With reference to the cotton textile industry answer the following:
 - Why Ahmedabad-Vadodra Region attracts particularly cotton textile industry?
 - Name any two leading centers of this region. [3]
- Explain briefly any three factors which promote Jute industry around Kolkata. [3]

Question 10

- Write any two factors which favour the development of ship building industry. [2]
- What raw material is used in Iron and Steel industry? [2]
- With reference to Visvesvaraya Iron and steel plant answer the following: [3]
 - Location
 - Source of hydroelectricity
 - Products
- Write the centre for the following companies and the products they produce:
 - Maruti Udyog limited
 - Mahindra and Mahindra
 - Nissan

Question 11

- What are the effects of Acid Rain and which monument is affected by acid rain in India? [2]
- What is the importance of Roadways in India? Give two reasons. [2]
- Why rail transport is more comfortable and popular in India. State two problems faced by Indian Railways. [3]
- What is incineration?
 - Give two advantages of using ESPs. [3]