



# VIVEK TUTORIALS

Geography  
Preliminary Examination  
Max Marks: 80

Date : 10/Feb/2019

Grade: 10th (ICSE)

Time: 2 Hours

## Section I (30 Marks) (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:

(Map Sheet No.45 D/10;Eastings 01 to 11, Northings 09 to 19)

Refer Index Map- 18

- (a) Give the four-figure grid reference of a settlement with [2]  
(i) Spot height 261. (ii) Post office.
- (b) What is the difference in the pattern of drainage in grid square 1606 and in 1007? [2]
- (c) Name two natural features seen in grid square 0910. [2]
- (d) Calculate the distance in kilometres along the metalled road from the causeway East of Was to the distance stone 10.[2]
- (e)(i) Which is a universally accepted scale? [2]  
(ii) State the length of the given map in kilometres.
- (f) Give the six-figure grid reference of: [2]  
(i) A temple south of Dhavli settlement,  
(ii) Spot height 277.
- (g) Which are the two different kinds of roads shown in the map extract? [2]
- (h) Mention two main occupations shown on the map extract. [2]
- (i) How are the gentle and steep slopes shown on the map? [2]
- (j) What do the following mean? [2]  
(i) 3r in 1103. (ii) Open scrub in 1502.

20

### Question 2

On the outline map of India provided:

- (a) Eastern Ghats and Western Ghats. [1]
- (b) River Chenab. [1]
- (c) Mark with arrow, the direction of the Bay of Bengal branch of South West Monsoon. [1]
- (d) Shade and name an area where red soil is found extensively. [1]
- (e) The Longitude  $82\frac{1}{2}^{\circ}\text{E}$ . [1]
- (f) Coromandel Coast. [1]
- (g) Nathu-La-pass. [1]
- (h) Mark and label the leading states for coal and iron ore. [1]
- (i) Shade and name the state with highest density of population. [1]
- (j) Mark with a red dot and name Allahabad. [1]

10

## Section II (50 Marks) (Attempt any Five questions from this part)

### Question 3

- (a) (i) Write two characteristics of Arabian Sea Branch of South-West monsoons. 2  
(ii) Mention two weather conditions which are associated with the "break" or "burst of monsoon".  
(iii) Name two states which are affected by 'Kal Baisakhi'.
- (b) (i) Name two states where Kalbaisakhi is common. 2  
(ii) Name the first place and the first state to receive the rain from south-west monsoon.
- (c) What type of climate would India have had, if the Arabian Sea, the Bay of Bengal and the 3

Himalayas had, not been there. Explain it with reference to temperature and precipitation.

(d) Study the climatic data given below and answer the questions that follow:

3

Month	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
Temp °C	24.5	25.7	27.7	20.4	30.0	32.5	31.0	30.2	29.8	28.0	25.9	24.7
Rainfall Cm	4.6	1.8	1.3	1.8	3.8	4.5	8.7	11.3	11.9	30.6	35.0	13.9

- Name the driest month
- Calculate the annual rainfall experienced by the station
- What is the annual range of temperature?

**Question 4**

- Name the region where alluvial soils are found.
- What is the importance of soil?
- Distinguish between:  
Khadar and Bangar alluvial soils.
- (i) Which soil is suitable for growing coffee in Karnataka ?  
(ii) How were the soils of Gangetic Plains formed?

2

2

3

3

**Question 5**

- Give an important use of each of the following types of trees:  
(i) Sundri (ii) Sandalwood
- Name two trees of Tidal Forest and give two uses of it.
- What is meant by Deciduous trees? Explain why Deciduous or Monsoon forests occur on the eastern part of south India?
- (i) Why have the deciduous forests been given this name?  
(ii) Name some places where these are found.

2

2

3

3

**Question 6**

- What are the drawbacks of tank irrigation?
- State how tube well irrigation scores over canal irrigation.
- Give one geographical reason for each of the following statements:  
i. Irrigation is necessary despite the monsoon.  
ii. The drip method of irrigation is the best among all modern methods of irrigation.  
iii. Canal irrigation leads to the ground around it becoming unproductive.
- Why is there a need to conserve water resources?

2

2

3

3

**Question 7**

- What is biogas ?
- (i) Which mineral is known as the foundation of the present machine age?  
(ii) Name one important district which has large iron ore deposits in the following states.  
Orissa, Jharkhand, Chattisgarh, Tamil Nadu
- (i) "Magnetite is the best quality iron ore but Haematite is mainly used in India". Why?  
(ii) Name the main oil fields in Gujarat. Where is the biggest refinery situated?
- Give geographical reasons.  
(i) Anthracite is used for domestic purposes.  
(ii) Oil refineries are located close to oil fields or near ports.  
(iii) The location of coalfield is an important factor in industrial development.

2

2

3

3

**Question 8**

- What do you mean by cash crops?
- Describe the major steps in the processing of tea.
- (i) What type of agriculture is practised in India?  
(ii) Name the major crop seasons along with their months and crops.
- (i) Name any three millets.  
(ii) What is common features of all millets?  
(iii) Name two states which are the leading producers of millet.

2

2

3

3

**Question 9**

- (a) The largest proportion of industrial workers is found in the textile industry. Why? Give reasons. 2
- (b) i. State one important point of similarity between the woollen industry and the silk industry. 2
- ii. Name the state that produces the most woollen and silk products respectively.
- (c) Give three reasons to justify that the rayon textile industry in India has a great future. 3
- (d) Name three by-products of sugar industry. Give one important use of each. 3

**Question 10**

- (a) Iron and Steel Industry is highly localised in the Chhotanagpur plateau region. Give reasons. 2
- (b) Name any two machine tools industries of India 2
- (c) List the three basic steps involved in steel making. 3
- (d) Distinguish between light industry and heavy industry. 3

**Question 11**

- (a) What are the two prerequisites of waterways to be navigable? 2
- (b) What are non-toxic wastes? Are they degradable? 2
- (c) What do you mean by the density of the roads? Name the state with 3
- (i) Highest density of roads. (ii) Lowest density of roads.
- (d) How do radioactive wastes pose a serious threat to human health and environment? 3

----- All the Best -----

VIVEK TUTORIALS