

# K. E. CARMEL CMI SCHOOL, SARISHA

1<sup>st</sup> Terminal Examination 2021-22

F.M.:100

Class:X

Subject: Geography

Time:2hrs

*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 allotted for writing the answers.*

**Attempt Questions 1 and 2 from Part I which are compulsory and any five questions from Part II.**

**The intended marks for questions or part of questions are given in the brackets [ ]**

## **PART- I (30 marks)**

**(Attempt all questions)**

### **Question 1.**

**Study the extract of the survey of India Map sheet No: G43S10 provided and answer the following questions:-**

- a) Give the four-figure grid reference of: [2]
  - i) Settlement Kyariya
  - ii) A temple near Pipliya
- b)
  - i) State the compass direction of Bhawanigar from Dolpura. [2]
  - ii) Mention the striking difference between these two settlements.
- c) Name one natural and one man-made feature in grid square 5015. [2]
- d) What is the drainage pattern in grid square 5315? [2]
- e) What is the distance in km of the cart track from Rampurakhera till grid square 5416 where it joins a metalled road? [2]
- f) What do you understand by the following terms as used on the map extract? [2]
  - i) Rocky knob
  - ii) Open Scrub
- g) Mention any two features shown in the map extract which show that the region has seasonal rainfall. [2]
- h) What do the following symbols mean? [2]
  - i) + in 5115
  - ii) . 348 in 5314
- i) What is the main occupation of the people living in the area shown in the map extract? Give one reason to support your answer. [2]
- j) Name the relief feature that can be seen in the south eastern region of the given map extract. [2]

### **Question 2**

**[1×10=10]**

**On the outline map of India provided :-**

- a) Mark and name the Jharia Coal field.
- b) Shade and Label Thar Desert.
- c) Shade and name the Gulf of Mannar.
- d) Mark and name Mt. Kanchenjunga.
- e) Mark and name Bengaluru.
- f) Shade and name a sparsely populated State in Northeast India.
- g) Mark and label an area with Laterite Soil in the Eastern India.

- h) Mark and label river Narmada.
- i) Mark and name the winds which bring rain in winter in the Coromandel Coast.
- j) Shade and label the Northern Circars.

**PART-II( 50 MARKS)**  
**(Attempt any five questions)**

**Question 3**

- a) Study the climatic data given below and answer the questions that follow: [3]

Month	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC
Temp <sup>0</sup> C	23.1	24.8	26.5	29.3	32	32.8	33.1	32.1	30.5	29.3	28.7	26.1
Rainfall In 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

- i. Calculate the annual rainfall experienced by the station?
  - ii. Suggest a name of this station, give a reason for your answer.
  - iii. Calculate the annual range of Temperature.
- b) Give a geographical reason for each of the following: [2]
- i. Kochi has a lesser annual range of temperature than Agra.
  - ii. Most parts of India do not receive rainfall in the winter season.
- c) What is meant by 'Burst of Monsoon'? [2]
- d) What is meant by 'rain shadow area'? Give an example and state the mountains which are responsible for the rain shadow area. [3]

**Question 4**

- a) Give a geographical reason for each of the following: [3]
- i. Alluvial soil is extremely fertile.
  - ii. Large tracts of Maharashtra are covered with black soil.
  - iii. Reafforestation should be practiced extensively.
- b) Differentiate between Transported soil and In Situ soil, quoting a suitable example for each. [2]
- c) i. State two methods of controlling the erosion of soil caused by running water. [3]  
ii. Mention two important properties of regur soil.
- d) Give one difference between the following : [2]
- i. Khadar soil and Bhangar Soil
  - ii. Inland alluvium and Coastal alluvium

**Question 5**

- a)
- i. Name an area in India where Tropical Monsoon forest is found. [2]
  - ii. What is social forestry?

- b) With reference to littoral forest, answer the following questions: [2]
- i. Why do the trees in this forest grow aerial roots?
  - ii. Name one area in India where this forest is found.
- c) i. Name a state in India where thorn and scrub forest is found. [3]
- ii. Give two ways by which the trees that are found here have adapted to the climate.
- d) i. Give two ways in which forest are important. [3]
- ii. Write two reasons why monsoon deciduous forests are commercially more valuable than other type of forests.

### **Question 6**

- a) Differentiate between Inundation Canal and Perennial Canal. [2]
- b) With reference to conservation of water answer the following questions: [3]
- i. Why do we need to conserve water?
  - ii. Mention the two objectives of rain water harvesting.
- c) Give one reason for each of the following: [3]
- i. Tank irrigation is an important method of irrigation in Karnataka.
  - ii. Sprinkler irrigation is practiced in arid and semi-arid regions.
  - iii. A tube well should be installed in a fertile and productive region.
- d) Why is well irrigation still a popular means of irrigation? Give two reason to support your answer. [2]

### **Question 7**

- a) What are the requirements for the cultivation of wheat with reference to [2]
- i. Soil
  - ii. Rainfall range
- b) How has lack of irrigation facilities and reduction in net sown area become problems in agriculture of India? [2]
- c) With reference to rice cultivation, answer the following: [3]
- i. Name two leading states in the growing of rice.
  - ii. Give two advantages of growing rice in nurseries.
  - iii. Name the method of rice cultivation in which seeds are sown in the furrows with the help of a bamboo.
- d) Give two reasons for pulses being grown extensively in India. Name any two pulses. [3]

### **Question 8**

- a) Answer the following: [3]
- i. Name the device used to harness wind energy.
  - ii. Name the two belts where manganese is found in India.

- iii. Where is the oldest oilfield located in India?
- b) Give two advantages that non-conventional energy resources have over conventional energy resources. [2]
- c) Name two states with large deposits of coal. Name the coal fields in the states that you have named. [2]
- d) Give geographical reasons why: [3]
- Coal is called a versatile mineral.
  - Petroleum is called a fossil fuel.
  - Solar energy systems do not require a lot of maintenance.

### **Question 9**

- a) Answer the following : [2]
- Name the months when the kharif crops are sown and harvested.
  - Which are the two staple food crops of India? Name against each the agriculture season in which it is grown.
- b) Explain briefly the following terms: [2]
- KCC
  - NAP
- c) Give geographical reasons for each of the following: [3]
- Black soil is suitable for the growth of cotton.
  - The drip method of irrigation is the best among all modern method of irrigation.
  - Anthracite is used for domestic purposes.
- d) Where is Hirakud Dam located? Give any two uses of this dam. [3]

**[Internal Assessment = 20 Marks]**