



# KARNATAKA ICSE SCHOOLS ASSOCIATION

## ICSE STD. X Preparatory Examination 2024

Subject: GEOGRAPHY

H.C.G Paper 2

Maximum Marks: 80

Time Allowed: 2Hours

Date:22/01/2024

**Instructions:** Answer 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 [ ].

### PART-I (30 Marks)

(Attempt all the questions from this part)

#### Question 1

Study the extract of the Survey of India Map Sheet No. G43S10 and answer the following questions:

- (i) Name the type of drainage pattern in 6320 and 6815. [1]
- (ii) Identify the settlement pattern in 6913 and 6821. [1]
- (iii) What does the following indicate? [2]
- (a) Red dotted line in 6619.
- (b) Rocky Knob in 6816
- (c) Falls 12m in 7019
- (d) (blue circle with + sign) in 6821
- (iv) Calculate the direct distance between Gautam Maharishi Mandir to Hanumanji ka mandir. [2]
- (v) Identify the contour diagram in the grid square 7014 and state how is the slope in the grid square 6715. [2]
- (vi) Give two evidences to prove that the area experiences seasonal rainfall. [2]

#### Question 2

On the outline map of India provided: [10]

- (a) Mark and label Tropic of Cancer
- (b) Mark and label Tungabhadra
- (c) Mark and label Konkan Coast
- (d) Mark and label Eastern Ghats
- (e) Mark with a dot and name the city which is situated in the Coromandel Coast.

- (f) Mark and label the range that lies between Narmada and Tapi.
- (g) Mark and label Nathu la pass
- (h) Mark and label the leading producing area of iron ore.
- (i) Shade and label a densely populated area in North India.
- (j) Shade and label Andaman sea.

### Question 3

Choose the correct answers to the questions from the given options.

[Do not copy the question, write the correct answers only.]

(i) Where does the Arabian sea branch and Bay of Bengal branch meet? [1]

- a. Punjab and Haryana
- b. Punjab and West Bengal
- c. Punjab and Delhi
- d. Punjab and Kolkata

(ii) Laterite soil is mainly found in the highland areas of \_\_\_\_\_. [1]

- a. Himalayas
- b. Peninsular plateau
- c. Aravalli ranges
- d. Karakoram ranges

(iii) \_\_\_\_\_ leaves are used for rearing shellac worms. [1]

- a. sal
- b. ber
- c. palas
- d. neem

(iv) The storing mechanism in Gangetic plains is called as \_\_\_\_\_. [1]

- a. Kuhl
- b. Johads
- c. Baolis
- d. Bhandaras

(v) The \_\_\_\_\_ iron ore is known as black ore. [1]

- a. Haematite
- b. Magnetite
- c. Limonite
- d. Siderite

(vi) The \_\_\_\_\_ is the largest producer of Natural gas. [1]

- a. Rajasthan
- b. Tripura
- c. Maharashtra
- d. Tamil Nadu

(vii) The environment friendly method of farming is \_\_\_\_\_. [1]

- a. Extensive farming
- b. Intensive farming
- c. Plantation farming
- d. Subsistence farming

(viii) The Electronics Corporation of India Ltd; was set up in \_\_\_\_\_. [1]

- a. Chennai
- b. Bengaluru
- c. Hyderabad
- d. Kolkata

(ix) Which mode of transportation is fuel efficient and eco-friendly? [1]

- a. Roadways
- b. Waterways
- c. Airways
- d. Railways

(x) The \_\_\_\_\_ is the process that involves burning of wastes at a very high temperature. [1]

- (a) Incineration
- (b) Segregation
- (c) Composting
- (d) Dumping

**PART- II (50 Marks)**  
**(Attempt any five questions from this part.)**

**Question 4**

(i) *Thursday, December 14: After a brief lull in rainfall activity that followed Cyclone Michaung's wet rampage last week, intense showers are set to return to some parts of Southern India this weekend.*

*The India Meteorological Department (IMD) has forecast light to moderate rains at some to many places, accompanied by thunderstorms and lightning at isolated locations, across Tamil Nadu and Kerala from Friday to next Monday (Dec 15-18).*

- The Times of India

- (a) Name the type of cyclonic wind. [2]
- (b) Where does it originate?
- (ii) Name the local wind that prevails in the following areas. [2]
  - (a) Assam
  - (b) Karnataka
- (iii) Give a geographical reason for each of the following: [3]
  - (a) Mangalore receives more rainfall than Bangalore.
  - (b) Most of India remains dry during the North East Monsoon season.
  - (c) Jaipur has a higher annual range of temperature than Mumbai.
- (iv) Given below is the climatic data of a station. Study the table and answer the questions that follow: [3]

Station	Month	J	F	M	A	M	J	J	A	S	O	N	D
A	Temp in °C	19.4	28.7	22.3	30.0	33.3	38.3	26.0	20.4	28.9	26.6	20.4	24.6
	Rainfall in cm	4.5	3.5	2.0	5.3	4.5	44.4	55.3	55.8	60.9	10.3	9.2	10.0
B	Temp in °C	10.0	12.4	24.0	20.3	20.0	21.9	22.0	22.2	21.2	20.8	21.2	22.0
	Rainfall in cm	0.2	0.2	2.3	2.1	1.8	13.6	13.0	15.8	14.8	32.8	34.0	16.2

- (a) Calculate the annual range of temperature of Station A.
- (b) Name the winds that bring rainfall to Station A and Station B.
- (c) State giving a reason as to which of the station experiences maritime and continental type of climate.

### Question 5

- (i) Define the following terms: [2]  
(a) In-situ soil  
(b) Leaching
- (ii) With reference to soil erosion in India answer the following questions: [2]  
(a) How does the soil get eroded by running water?  
(b) State any two measures to conserve soil in hilly areas.
- (iii) With reference to Alluvial soil, answer the following: [3]  
(a) How is it formed?  
(b) Why Khadar is more fertile than bhangra?  
(c) Name any two areas where it is found.
- (iv) Give geographical reasons for the following: [3]  
(i) Red soil is ideal for dry farming.  
(ii) Laterite soil is red in colour.  
(iii) Black soil is also known as lava soil.

### Question 6

- (i) State any two characteristic features of Tropical Deciduous Forest. [2]  
(ii) Why Tropical Evergreen Forest is not commercially exploited? [2]  
(iii) With reference to Indian vegetation, answer the following: [3]  
(a) 'Tropical rain forest appears green throughout the year'. Give reason.  
(b) With which type of vegetation are the following trees associated? Mention one use of each.  
(a) Teak (b) Babool
- (iv) Explain the correlation of forest with the environment. [3]

### Question 7

- (i) Distinguish between perennial and inundation canals. [2]  
(ii) (a) State any two advantages of well.  
(b) Name one state where well irrigation is popular. [2]  
(iii) Give geographical reasons for the following: [3]  
(a) Tank irrigation is more suitable in Deccan plateau.  
(b) Canal irrigation is more widespread in Northern India.  
(c) A tube well should be installed in a fertile and a productive region.
- (iv) State any three methods of conserving water. [3]

### Question 8

- (i) (a) Which state is the largest producer of iron ore?  
(b) Name the types of coal and mention the type of coal that is extensively used in iron and steel industry. [2]  
(ii) Briefly answer the following: [2]  
(a) Why is petroleum often referred as liquid gold?  
(b) State any one disadvantage of using coal as a source of power.
- (iii) Give geographical reasons for the following:  
(a) Many port cities have their own oil refineries.  
(b) Copper is used in electrical industries.

- (c) Wind farms provides additional income to the land owners. [3]
- (iv) State the location of Hirakud and Bhakra Nangal project. Mention the states that get benefitted. [3]

### Question 9

- (i) With reference to rice cultivation, answer the following: [2]
- (a) Name the leading states in the production of rice.
- (b) What is transplanting method? How is it beneficial?
- (ii) Give geographical term for each of the following: [2]
- (a) Cultivation of sugarcane by takings cuttings from old plants.
- (b) The residue left behind after crushing the oilseeds.
- (iii) Identify the crop and answer the following questions: [3]



- (a) Mention the climatic condition that is suitable for cultivating the above crop. [2]
- (b) Name the state that produces the largest amount of the above crop. [2]
- (c) In which cropping season is this crop grown. [2]
- (iv)(a) Name the varieties of coffee grown in India. [2]
- (b) Mention the climatic condition required to grow coffee. [2]
- (c) Name the leading producer of coffee. [3]

### Question 10

- (i) Mention any two advantages of mini steel plant. [2]
- (ii) Which is the largest mineral based industry in India? Why is it called a key or basic industry? [2]
- (iii) Name any one by-product of sugarcane. Mention any two problems of sugar industry in India. [3]
- (iv) State why petrochemical industries are gaining importance in India. Mention any two production units.[3]

### Question 11

- (i) Mention any two economic benefits of Golden Quadrilateral. [2]
- (ii) Mention any two disadvantages of railways. [2]
- (iii) Give reasons for the following: [3]
- (a) Nearly 70% of Indians do not use air transport.
- (b) A well-developed transport network is important for industries.
- (c) Railways are not common in North- East India.
- (iv) State any two advantages and a disadvantage of waterways. [3]

### Question 12

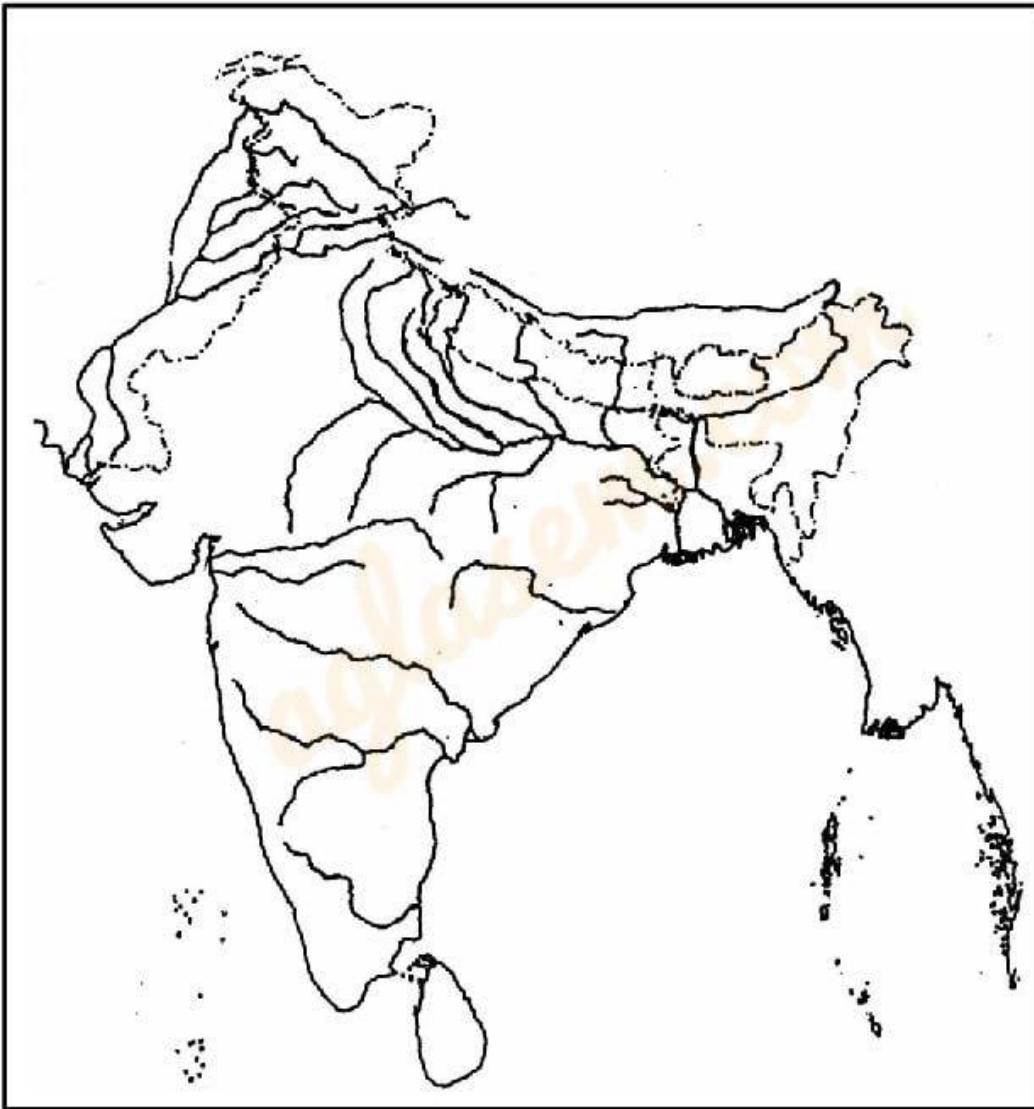
- (i) What is sanitary landfill? State any one advantage. [2]
- (ii) What is recycling? How is it important for waste management? [2]
- (iii) State any three advantages of segregation. [3]
- (iv) Why should sewage be treated before disposal? State any three reasons. [3]

**Question No. 2**

**Index No..... UID.....**

(This map, if used, must be fastened with all other answers)

**Outline Map of India for Question 2.**



ONLY FOR THE EXAMINER										
(i)	(ii)	(iii)	(iv)	(v)	(vi)	(vii)	(viii)	(ix)	(x)	Total