



Estd. 1861

# BOYS' HIGH SCHOOL AND COLLEGE PRELIMINARY EXAMINATION (2024-25)

## CLASS – X GEOGRAPHY

Maximum Marks 80  
30 Marks

### Part I

Attempt all questions from this part.

QI. Study the extract of the Survey of India sheet No. G43S7 and answer the questions that follow:

(10)

- i) a) Give a six figure reference for 522. (2)
- b) What does 200 in grid square 4091 mean? (2)
- ii) What type of natural vegetation do you see in grid 3897? How does it differ from that seen in grid 3895. (2)
- iii) Calculate the distance (in kms) between Karja (3994) and Juvol (3794). (2)
- iv) a) What do the broken black lines seen along the river bank in grid 4094 indicate? (2)
- b) Name the natural feature formed by the contour lines in grid square 3696. (2)
- v) In what direction is the land south of the main river sloping? Give a reason for your answer. (2)

QII. On the outline map of India provided, mark and label each of the following: (10)

- i) Karakoram Range
- ii) River Sutlej
- iii) Nathula Pass
- iv) Konkan Plain
- v) Mount K2
- vi) Chilka Lake
- vii) Digboi oil field
- viii) Print Red Soil over one area where this soil is found
- ix) Mark with a dot and label Kolkata
- x) Mark and label the  $82^{1/2}$ °E longitude.

QIII. Choose the correct answers from the given options: (10)

- i) This state does not experience the Loo:
  - a) Bihar
  - b) Kerala
  - c) Uttar Pradesh
  - d) Punjab
- ii) Pune receives \_\_\_ cms of rainfall by the Arabian Sea Branch of the South West Monsoons.
  - a) 50
  - b) 188
  - c) 200
  - d) 70
- iii) Which of the following term is not associated with erosion?
  - a) Rill erosion
  - b) Deflation hollow
  - c) Overgrazing
  - d) Pedogenesis
- iv) This tree does not grow in the Tropical Evergreen Forest:
  - a) Gurjan
  - b) Ebony
  - c) Sandalwood
  - d) Shisham
- v) Which of the following sentences is the odd one?
  - a) Irrigation increases dependence on Monsoon
  - b) Irrigation increases agricultural productivity
  - c) Irrigation helps bring more land under cultivation
  - d) Irrigation helps in controlling floods
- vi) Cotton requires rainfall ranging from:
  - a) 50-120 cms
  - b) 100-150 cms
  - c) 50-100 cms
  - d) 100-200 cms
- vii) Bharat Heavy Electricals Limited is a \_\_\_ industry.
  - a) Private Sector
  - b) Co-operative Sector
  - c) Public Sector
  - d) Joint Sector
- viii) Rann of Kachchh has a less dense network of railways due to:
  - a) Ruggedness of the land
  - b) Sandy land
  - c) Dense forests
  - d) Swampy land
- ix) \_\_\_ released from automobiles and burning of coal can cause difficulty in breathing.
  - a) Carbon dioxide
  - b) Sulphur dioxide
  - c) Carbon monoxide
  - d) Nitrogen dioxide
- x) The city that is also called the Cottonopolis of India is:
  - a) Chennai
  - b) Mumbai
  - c) Kolkata
  - d) Surat

Python  
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Attempt any five questions from this part.

- QIV. a) State 2 important features of the Indian Monsoons. (2)
- b) Explain what causes winter rain in North India? How is this rain beneficial? (2)
- c) Give reasons for the following:
- i) Aravallis do not help in providing rain to Rajasthan.
- ii) Kanya Kumari enjoys equable climate.
- iii) Kali Baisakhi are useful local winds. (3)
- d) Study the climate chart given below and answer the questions that follow:

		J	F	M	A	M	J	JI	A	S	O	N	D
Station A	Temp in °C	24	24.4	26.7	28.3	30.0	28.9	27.2	27.2	27.2	28.3	27.2	27.2
	Rain in cms	0.25	0.25	-	-	1.75	50.2	61.0	37.0	27.0	4.75	1.00	-
Station B	Temp in °C	13.8	16.6	21.6	27.8	33.2	33.6	30.9	29.8	29.2	25.7	19.7	15.2
	Rain in cms	2.5	2.1	1.3	0.8	1.3	7.7	17.9	18.4	12.3	1.0	0.2	1.0

- i) Calculate the annual rainfall of station A.
- ii) What is the range of temperature of station B?
- iii) On which coast is station A located? (3)
- QV. a) Red soils are not suitable for agriculture. Give a reason for the same. (2)
- b) Explain the following terms:
- i) In Situ
- ii) Khadar (2)
- c) Name two states where Laterite Soils are found.  
Name a crop grown in these soils. (3)
- d) i) What is soil conservation?
- ii) State two ways in which soil can be conserved. (3)
- QVI. a) Under what climatic conditions does the desert and semi-desert vegetation grow? (2)
- b) i) Give one characteristic of the Sundari tree that makes it suitable for boat building.
- ii) Mention any one use of the Deodar tree. (2)
- c) Briefly explain the following terms:
- i) Afforestation
- ii) Social Forestry
- iii) Pure stand (3)
- d) Give reasons for the following:
- i) Tropical evergreen vegetation has not been exploited.
- ii) There is a variety in the type of vegetation found in the Himalayan region.
- iii) Agro-Forestry products should be supplemented. (3)
- QVII. a) Tube well irrigation is more important in North India. Give two reasons for the same. (2)
- b) State two reasons as to why Rainwater Harvesting is important. (2)
- c) i) Mention two advantages of Inundation canals.
- ii) Why is it important to conserve water? (3)
- d) i) Mention two primitive methods used to lift water from wells in India.
- ii) Give one advantage of well irrigation. (3)
- QVIII. a) Give two advantages of Solar energy. (2)
- b) What do you understand by offshore oilfields? Name one major offshore oilfield of India. (2)
- c) i) Name the state that is the largest producer of Manganese in India.
- ii) State two major uses of the same. (3)

d) Name one important centre for iron ore production in each of the following states:

i) Chhathisgarh

ii) Jharkhand

iii) Karnataka

(3)

QIX. a) Intensive Farming is widely practised in India. Why?

(2)

b) Mention the climatic requirements of wheat.

(2)

c) i) State the temperature and rainfall requirements of Jowar.

ii) Why are millets called dry crops?

(3)

d) i) Name the crop you associate the term Ratoon with.

ii) Give two advantages of Ratoon.

(3)

QX. a) Give two advantages of Petrochemicals.

(2)

b) State two reasons as to why Karnataka is a major centre for silk industry.

(2)

c) i) Name the oldest iron and steel plant of India.

ii) From where does this plant obtain its:

a) Coal

b) Iron Ore

(3)

d) Give reasons for the following:

i) Mumbai is the leading cotton textile centre in India.

ii) The sugar industry of India is migrating to South India.

iii) Forests are grown in and around iron and steel plants.

(3)

QXI. a) What is the Golden Quadrilateral? What is the purpose of this project?

(2)

b) State any two challenges of Air transport.

(2)

c) i) Which means of transport encourages scope for employment by mobility of labour?

ii) State two other reasons why this means of transport is popular in India.

(3)

d) i) Mention two geographical conditions that affect Water Transport.

ii) Give one advantage of the same.

(3)

QXII. a) What is Municipal Waste?

(2)

b) Define Vermicomposting. Give one benefit of Vermicomposting.

(2)

c) Give reasons:

i) Segregation of waste is important for safe disposal of waste.

ii) Sanitary landfills are different from open dumps.

iii) Eutrophication leads to destruction of aquatic life.

(3)

d) i) Name a disease caused due to smog.

ii) How is Fluorosis caused?

iii) Give one example how waste can be recycled.

(3)

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