



ST. JOSEPH'S COLLEGE, PRAYAGRAJ

FINAL EXAMINATION 2024

CLASS – IX

SUBJECT- GEOGRAPHY

Time: 2 Hrs

Max. Marks: 80

Instructions

1. Attempt all questions from Part I and any five questions from Part II.
2. Do all SUBSECTIONS in correct SERIAL ORDER.
3. Kindly do all work NEATLY and SYSTEMATICALLY.

PART I (30 Marks)

Attempt all questions from this Part

Question 1.

Answer the following questions briefly:

- a) i. Define the term scale.
ii. State the three methods of representation of scale on map. [2]
- b) Draw the symbols of the following conventional signs in appropriate colours. [2]
- i. Spot height 540.
 - ii. Post office.
 - iii. Perennial lined well.
 - iv. Police station.
- c) i) What is map? [2]
ii) State the essential elements of map.
- d) With the help of diagram show all eight directions of compass. [2]
- e) Write at least four uses of map. [2]

Question 2.

On the outline World Map mark and label the following: [10]

- | | | | |
|-------------------------|-----------------------|-------------------------|---------------------|
| a) Alps | b) Gulf of Mexico | c) River Nile | d) Canadian Shield. |
| e) Gulf of Carpentaria. | f) Patagonian Plateau | g) Strait of Gibraltar | |
| h) River Colorado | i) Black Sea | j) Great Dividing Range | |

Question 3.

Choose the correct option. [10]

- i. The name for the entire network of latitude and longitude is _____
a. Region. b. Earth. c. Climate. d. Grid system.
- ii. When the Earth is closest to the sun, It is known as _____
a. Aphelion. b. Perihelion. c. Apogee. d. Perigee.
- iii. The process that turns loose sediments into rocks:
a. Compaction b. Lithification c. Cementation d. None of the above
- iv. Assertion (A). Decay and disintegration of rock is called weathering.
Reason (R). Mechanical weathering is mainly caused by temperature variation.
a. Both A and R is true and R is the correct explanation of A.
b. Both A and R is true and R is not the correct explanation of A.
c. A is true but R is false.
d. A is false, but R is true.
- v. Assertion (A). The amount of moisture in the atmosphere is related to latitude.
Reason (R). The capacity to hold moisture in the form of water vapour is related to temperature.
a. Both A and R is true and R is the correct explanation of A.
b. Both A and R is true and R is not the correct explanation of A.
c. A is true but R is false.
d. A is false, but R is true.



- vi. What are also called the Horse Latitude?
- a. Sub- Tropical High Pressure b. Equatorial Low Pressure
c. Polar High Pressure d. Doldrums
- vii. Which is of these is not a factor for distribution of temperature
- a. Latitude b. Longitude c. Winds d. Altitude
- viii. The point on the earth's surface directly above the seismic focus is called:
- a. Epicentre b. Seismic focus c. Seismograph d. Mercalli
- ix. The plains that are formed due to uplift or subsidence of land are called _____.
- a. Structural plains b. Depositional plains c. Loess plains d. Lacustrine plains
- x. The increase in the concentration of various toxic substances along the food chain:
- a. Biomagnification b. Eutrophication c. Bioaccumulation d. Pollution

PART II (50 Marks)

Choose any Five questions from this Part

Question 4.

- a) What did Magellan conclude about the shape of the earth? [2]
- b) An important programme was to be broadcast from Mumbai (72-degree E) at 7.30 p.m. This was heard by some Indian sailors near Ivory Coast in West Africa at 20°W longitude. What was the local time in Ivory coast. [2]
- c) Give a geographical reason for each of the following. [3]
- i. In the Bedford level experiment the middle pole looked slightly higher.
- ii. Local time is a theoretical reality, while Standard Time is a practical necessity.
- iii. The days and nights are equal on 21st March every year.
- d) Distinguish between the following. [3]
- i. Equinox and Solstice
- ii. Latitude and Longitude
- iii. Star and Planet

Question 5.

- a) State any two features of the inner most layer of the Earth. [2]
- b) Give a geographical reason for each of the following. [2]
- i. Old fold mountains are lower and has gentle slopes.
- ii. The rocks and minerals cannot remain in a solid state inside the Earth.
- c) i. Give two chief characteristics of mountain. [3]
- ii. What is an intermontane plateau? Give one example.
- d) Draw a well labelled diagram to show the interior of the earth. [3]

Question 6.

- a) Distinguish between the following. [2]
- i. Rock and minerals
- ii. Biological Weathering and Chemical weathering
- b) What are fossils? In which types of rock do we find fossils? [2]
- c) Write any three factors responsible for weathering. [3]
- d) Student of class 9 visited Geological Survey of India. They observed various types of Rocks. Some of them were called "Primary Rocks" and the others were called "Secondary Rocks". [3]
- i. As a student of geography, name the primary and secondary rocks.
- ii. Why are the above rocks called Primary and secondary?
- iii. Name the mineral which is commonly used in the Indian cuisine.

Question 7.

- a) Give any two destructive effects of earthquakes. [2]
- b) What is the Pacific Ring of Fire? Why is it so called? [2]
- c) i. What is the difference between dormant volcano and an extinct volcano? [3]
ii. Describe the two causes of volcanic eruptions.
- d) Give a geographical reason for each of the following: [3]
 - i. Most earthquakes occur on account of plate movements.
 - ii. Primary waves are the first earthquake waves to be recorded on a seismogram.
 - iii. Volcanic activity and earthquakes occur in the same belt.

Question 8.

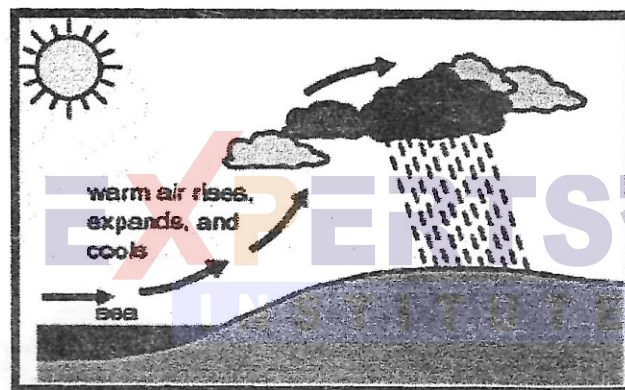
- a) What is known as troposphere? List any two characteristics of the troposphere. [2]
- b) Name four factors that affect the temperature of a place. [2]
- c) Give a reason for each of the following: [3]
 - i. India cooler in December than in July.
 - ii. We find it difficult to breathe when we climb mountains.
 - iii. Distance from the sea affects the temperature of a place.
- d) It has now been confirmed that global warming exceeded 1.5C across the 12-month period between February 2023 and January 2024. That followed 2023 being declared the warmest year on record.
 - i. What is global warming? [3]
 - ii. Discuss any two effects of global warming.

Question 9.

- a) Name two types of variable winds. Why are they so called? [2]
- b) What is meant by the term 'Atmospheric Pressure'? What is its effect on the movement of winds? [2]
- c) i. State two characteristics of Trade winds. [3]
ii. Give a reason for each of the following:
 - 1. Westerlies are called Roaring forties and Shrieking Sixties in Southern Hemisphere.
 - 2. There is low pressure in the equatorial region.
- d) Define the following terms. [3]
 - i. Coriolis force
 - ii. Monsoons
 - iii. Jet Stream

Question 10.

- a) Distinguish between the following. [2]
 - i. Absolute Humidity and Relative Humidity
 - ii. Dew and Frost
- b) Rahul went for a holiday with his family to Kochi in the month of July where he experienced heavy rainfall, whereas his friend Shyam visited Chennai during the same time but he did not experience any rainfall.
 - i. Why Rahul experienced heavy rainfall where as Shyam did not? [2]
 - ii. Name the type of rainfall they had experienced. [3]
- c) Study the diagram given below and answer the following questions. [3]

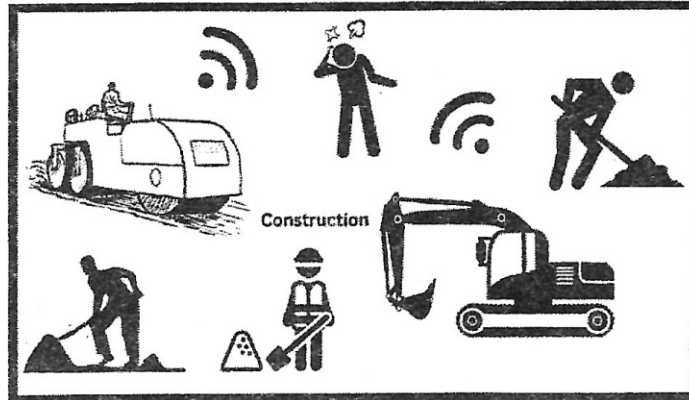


- i. Name the type of rainfall.
- ii. Mention any two characteristics features of the above mention rainfall.

- d) Give a geographical reason for each of the following: [3]
- Coasts receive more rainfall than the interior of the continents.
 - Convictional rainfall is called 4 o'clock rainfall.
 - Frontal rain is common in mid-latitudes.

Question 11.

- a) What are natural sources of air pollution? Name one industry which pollutes the atmosphere with gaseous as well as with particulate matter. [2]
- b) Name two water borne diseases? [2]
- a) Study the picture given below and answer the questions that follows;



- What is type of pollution is shown in the picture? [3]
 - What are the dangers involved in the pollution caused by the above media? [3]
 - According to you, what should be done to prevent pollution caused by it? [3]
- b) Define the following terms. [3]
- Smog
 - SPM
 - Biodegradable

Question 12.

- a) Describe the steps one can take the reduced vehicular pollution. [2]
- b) i. Mention any two ways by which you can save energy at home. [2]
- ii. State any two benefits of Metro rail.
- c) Trichy district administration has set a target of 580 hectares of organic cultivation under Paramparagat Krishi Vikas Yojana (PKVY) – (Times of India)
- What is organic farming? [3]
 - State any two benefits of organic farming.
- d) Study the picture given below and answer the questions that follows. [3]



- What is Carpooling?
- What are the main advantages of carpooling?

***** ALL THE BEST *****