

Annual Examination 2023-24

Class- IX
Geography

Time : 2.00 Hrs.

M.M:80

Instructions:

- 1-Do not write anything on your question paper except your name and roll number.
- 2-Write your name neatly and clearly on your answer script.
- 3- Answer to this paper must be written in neat and legible hand writing on the answer script provided separately.
- 4- Do not copy the question on your script. Write the correct question number only.
- 5- Use pencil to draw the diagrams.

Part-I (30 Marks)

(All questions are compulsory)

Question 1: Define the following terms;

- a. Extrusive Igneous rocks
- b. Seismograph
- c. Coriolis effect
- d. Rain shadow region
- e. Carpooling

(10)

Question 2: On the outline map of the world mark and label the following questions

(10)

- a. Mark with arrows, the Labrador Current
- b. Label the strait of Gibraltar
- c. Label the Black sea
- d. Label the North Atlantic Ocean
- e. Label the rivers (i) Congo (ii) Amazon
- f. Mark with • (i) Cairo (ii) Sydney
- g. Mark with bold lines and Label (i) the Urals (ii) the Andes

Question 3: Choose the correct options for the following:

(10)

- a. Which of the following is a cold ocean current?
 - i. Kuroshio
 - ii. Gulf stream
 - iii. Oyashio
 - iv. All the above
- b. Which of the following weathering is also known as 'onion peeling'?
 - i. Block disintegration
 - ii. Granular disintegration
 - iii. Exfoliation
 - iv. Carbonated weathering
- c. The magnitude of an earthquake is measured by;
 - i. Mercalli Scale
 - ii. Richter Scale
 - iii. Seismograph
 - iv. Altimeter
- d. _____ layer of atmosphere is important for distant radio communication.
 - i. Stratosphere
 - ii. Ionosphere
 - iii. Troposphere
 - iv. Exosphere
- e. Which of the following reasons is responsible for the minimum insolation at poles?
 - i. The earth is spherical in shape
 - ii. Poles get extremely slanting rays of the sun
 - iii. Poles are far away from the equator
 - iv. All the above
- f. The temperature at which the air gets saturated is called;
 - i. Melting point
 - ii. Freezing point
 - iii. Dew point
 - iv. Boiling point

- g. Which of the following is an extinct volcano?
- | | |
|-------------|--------------------|
| i. Vesuvius | iii. Arthur's Seat |
| ii. Etna | iv. Stromboli |
- h. Which of the following is the mechanically formed sedimentary rock?
- | | |
|---------------|---------------|
| i. Limestone | iii. Dolomite |
| ii. Sandstone | iv. Chert |
- i. The systematic study of the earth's relief features are called:
- | | |
|-------------------|----------------|
| i. Pedology | iii. Hydrology |
| ii. Geomorphology | iv. Geology |
- j. Which of the following is not a man-made source of air pollution?
- | | |
|--------------------------|------------------|
| i. Auto-mobile | iii. Forest fire |
| ii. Industrial pollution | iv. Brick kilns |

Part- II (50 Marks)

(Attempt any five questions from this part)

- Question 4: With reference to the Tides and Ocean currents, answer the following questions;**
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| a. What are the major effects of tides? | (3) |
| b. Briefly explain Gulf stream current. | (3) |
| c. What happens when warm and cold currents meet? How is it important for fisheries? | (4) |
- Question 5: With reference to weathering and denudation, answer the following questions;**
- | | |
|---|-----|
| a. What is Chemical weathering? Name the factors responsible for such weathering. | (3) |
| b. In what ways does atmosphere assist in weathering? | (3) |
| c. Distinguish between Weathering and Denudation. | (4) |
- Question 6: In context to volcanoes, answer the following questions;**
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|--|-----|
| a. Mention three adverse effects of volcanoes. | (3) |
| b. Lava activity is beneficial to man. Explain. | (3) |
| c. Distinguish between active and extinct volcano. | (4) |
- Question 7: In context with the Rocks and Rock Cycle, Explain the following questions briefly;**
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|--|-----|
| a. Why are sedimentary rocks also called stratified rocks? | (3) |
| b. Rocks are of great economic significance. Explain. | (3) |
| c. Draw a neat diagram of Volcano to show <i>vent, sill, dyke, batholith</i> . | (4) |
- Question 8: With reference to Humidity, answer the following questions briefly;**
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|---|-----|
| a. Name the different forms of condensation. | (3) |
| b. State the conditions necessary for precipitation. | (3) |
| c. Differentiate between Absolute Humidity and Relative Humidity. | (4) |
- Question 9: With reference to Composition and Structure of Atmosphere, answer the following questions;**
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|---|-----|
| a. Name the different layers of the Atmosphere. | (3) |
| b. What is the significance of Ozone layer in the atmosphere? | (3) |
| c. How can we reduce Global warming? | (4) |
- Question 10: With reference to the Insolation, Explain and answer the following;**
- | | |
|--|-----|
| a. State the three processes by which the air gets heated. | (3) |
| b. What causes equable climate? | (3) |
| c. Distinguish between Insolation and Terrestrial radiation. | (4) |
- Question 11. With reference to Pollutions, answer the following question;**
- | | |
|--|-----|
| a. What are the effects of Chemicals on Human Beings? | (3) |
| b. What are the differences between Primary and Secondary pollutants. | (3) |
| c. Explain the term organic farming. How does organic farming help in saving the soil quality? | (4) |