

Greenlawns School, Worli
Final Examination 2023-2024
Geography

Std: IX
Date: 9/2/24

Marks: 80
Time: 2 hours

PART I (30 marks)
Attempt all questions from this part

- Q.1. Answer the following. [10]
- a. Explain the term hydrological cycle.
 - b. On which dates are the pressure belts balanced in both the hemispheres?
Why are these dates significant?
 - c. Name and explain any one factor that is favourable for evaporation.
 - d. What is the most devastating example of nuclear warfare in our history?
 - e. Which natural region has tree dwelling animals? Give a reason for your answer.
- Q.2. On the outline map of the world provided to you, mark, colour and name the following. [10]
- a) The Mediterranean Sea
 - b) Strait of Mallaca
 - c) Tropical grasslands of Africa
 - d) The Great Australian desert
 - e) The Andes mountains and Drakensberg mountains
 - f) Canadian Shield
 - g) Rivers: Darling, Zambezi and Volga
- Q.3. Choose the correct option. [10]
- I. The rocks formed by the process of lithification.
 - a. Metamorphic rocks
 - b. Sedimentary rocks
 - c. Igneous rocks
 - d. None of the above
 - II. The movement of waves occurs in the form of:
 - a. Oscillations
 - b. Like a pendulum
 - c. Back and forth
 - d. All of the above
 - III. Each layer of the atmosphere ends at the
 - a. Edge/corner
 - b. Vertex/point
 - c. Pause/boundary
 - d. Horizon/line

- IV. Warm currents move from:
 - a. The equator to the poles
 - b. The poles to the equator
 - c. The coastal area to the sea
 - d. The sea to the coastal areas
- V. The Horse latitudes are also known as:
 - a. The Circum Polar low pressure belt
 - b. The Sub-tropical high pressure belt
 - c. Equatorial low pressure belt
 - d. The Polar high pressure belt
- VI. The temperature at which air is fully saturated
 - a. Dew point
 - b. Dew range
 - c. Frost point
 - d. Dew drops
- VII. Construction work, Airports and Defence equipment cause
 - a. Noise pollution
 - b. Air pollution
 - c. Noise and air pollution
 - d. Neither noise nor air pollution
- VIII. The Tundra and Taiga region are not found in the continent of:
 - a. Asia
 - b. Europe
 - c. Africa
 - d. Antarctica
- IX. The Mohorovicic Discontinuity has characteristics of:
 - a. The crust and core
 - b. The mantle and core
 - c. The crust and mantle
 - d. The Gutenberg discontinuity and the core
- X. The earth releases its energy through
 - a. Landslides, avalanches and glaciers
 - b. Tsunamis, floods and cloudburst
 - c. Forest fires, tornadoes and whirlpools
 - d. Earthquakes, volcanoes and tectonic activity

PART II (50 marks)

Attempt five questions from this part

- Q.4.
- a. Give any two features of the mantle. [2]
 - b. Explain the formation of fold mountains. [2]
 - c. What are mountains of denudation? Why are they so named? Give an example of such a mountain. [3]
 - d. Draw a neat and labelled diagram of the Rock cycle. [3]

- Q.5.
- How is fog associated with ocean currents? Give an example of a place with such a fog. [2]
 - Give two points of difference between spring tides and neap tides. [2]
 - Describe the circulation pattern of the North Atlantic Drift in detail. Which continent is affected by this current and how is it affected? [3]
 - Draw a neat and labelled diagram of a spring tide. [3]
- Q.6.
- Explain how the slope of the land affects temperature with an example. [2]
 - Give any two characteristics of the mesosphere. [2]
 - What is global warming? How will it impact the environment in the future? [3]
 - Draw a neat and labelled diagram of the layers of the atmosphere. [3]
- Q.7.
- Name the periodic winds that alternate on a daily basis. Why do they occur? [2]
 - Explain the following terms: [2]
 - Chinook
 - Temperate cyclones
 - Give the importance of jet streams. [3]
 - Draw a neat and labelled diagram of the pressure belts of the world. [3]
- Q.8.
- Name and explain any two forms of condensation. [2]
 - Give two points of difference between absolute and relative humidity. [2]
 - Give geographical reasons for the following. [3]
 - Cyclonic rainfall does not occur in tropical regions.
 - Hail stones are not a desirable phenomenon.
 - Windward side gets more rainfall.
 - Explain three characteristics of convectional rainfall. [3]
- Q.9.
- What is Biomagnification? [2]
 - Why is the water in rural areas less polluted than the urban areas? [2]
 - Explain the following terms: [3]
 - Acid rain
 - Carpools
 - Soil pollution
 - Explain any three ways in which noise pollution can be curbed. [3]
- Q.10.
- Describe the climate of the Mediterranean region. [2]
 - Write a short note on the vegetation of the Taiga region. [2]
 - Give geographical reasons for the following. [3]
 - The equatorial region gets four O'clock showers.
 - Desert vegetation is thorny.
 - Temperate grasslands have a flourishing dairy industry.
 - 'The Tundra region is very unique.' Justify. [3]
