

GREENLAWNS HIGH SCHOOL

FINAL EXAMINATION YEAR 2024-25

SUBJECT: GEOGRAPHY

CLASS: IX

TIME: 2 HOURS

MARKS: 80

INSTRUCTIONS:

- Answers to this paper must be written on the paper provided separately.
- You will not be allowed to write during the first ten 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.
- The paper has TWO sections.
- Section A is compulsory- All questions from Section A must be answered.
- You must attempt ANY FIVE QUESTIONS from each of the section B.
- The intended marks for the questions or parts of questions are given in brackets []

SECTION A

(Attempt all questions from this section)

[30]

Question 1

Read the following questions and choose the most appropriate response from the choices given below (Please do not copy the question- simply write out in correct serial order the appropriate word or phrase.) **(10)**

1. Mechanical weathering is also known as _____
 - a. Physical weathering.
 - b. Erosion
 - c. Chemical weathering.
 - d. Biological weathering.
2. This current is also known as Black Stream.
 - a. Gulf Stream
 - b. The Kuroshio Current
 - c. The Oyashio Current
 - d. The Labrador Current.
3. The uppermost layer in the structure of atmosphere is _____
 - a. Mesosphere
 - b. Exosphere
 - c. Ionosphere
 - d. Stratosphere**
4. The transfer of heat by circulatory movement is called _____
 - a. Conduction
 - b. Circulation
 - c. Insolation
 - d. Convection

5. Air pressure is expressed in _____.
 - a. Millimeters
 - b. Centimeters
 - c. Meters
 - d. Millibars
6. Horizontal movement of the air is called _____.
 - a. Wind
 - b. Erosion
 - c. Cyclone
 - d. Storm
7. Carbonation is a type of _____ weathering.
 - a. Physical
 - b. Chemical
 - c. Biological
 - d. None of the above
8. Where do the westerlies blow?
 - a. At the equator.
 - b. In the tropical latitudes
 - c. In the temperate latitudes.
 - d. None of the above.
9. On the basis of origin, pollution may be natural or _____.
 - a. Igneous
 - b. Anthologic.
 - c. Anthropogenic
 - d. None of the above
10. Which of the following is NOT a type of pollutant?
 - a. Primary pollutants
 - b. Biodegradable pollutants
 - c. Secondary pollutants
 - d. Descriptive pollutants.

Question 2

Answer the following questions:

(10)

1. Name the following: (2)
 - a. The most powerful agent of weathering in temperate climates.
 - b. This type of weathering operates in limestone areas.
2. State an important feature of a longitudinal dune. Name any two places where seifs are found. (2)
3. How does the Kuroshio current and its branch in the Sea of Japan help Japan? (2)

4. What is known as normal lapse rate? In which layer of atmosphere does it occur? (2)
5. What are known as Planetary winds? Give one example of Planetary winds. (2)

Question 3 (10)

On the blank world map provided to you mark, label, and shade the following.

1. **Waterbodies** [2]
 - a. South Atlantic Ocean b. Gulf of Carpentaria
 - c. Indian Ocean d. Hudson Bay
2. **Highlands** [2]
 - a. Canadian Shield
 - b. Iranian Plateau
3. **Rivers** [3]
 - a. River Amur b. River Brahmaputra c. River Zaire
 - d. River Murray e. River Colorado f. River Volga
4. **Mountains** [2]
 - a. Urals b. Appalachian Mountains
 - c. Khingan Mountains d. Andes
5. **Natural Regions Of The World** [1]
 - a. Temperate Grasslands b. Equatorial Region

SECTION B

(Attempt any *five* questions from this section)

[50 marks]

Question 4

1. Mention any three chief characteristics of weathering. (3)
2. Explain the process of oxidation. Give 3 points (3)
3. What type of weathering is more active in the Equatorial climate?
Give a reason for your answer. (2)
4. How do animals cause biological weathering. Give two points. (2)

Question 5

1. What is a V-Shaped valley? How is it formed?
Where are these valleys usually formed? (3)
2. State three factors on which the size and the shape of the sand dune depends. (3)
3. Draw a well labelled diagram of a barchan. (2)
4. State two important characteristics of the middle course of the river. (2)

Question 6

1. Where do the trade winds blow? Give example each from the northern and southern hemisphere to explain how the trade winds warm the eastern coasts of the continents. (3)
2. With reference to Labrador current answer the following: (3)
 - a. What happens when this current meets Gulf stream?
 - b. What is the effect of this current in spring and early summer?
 - c. Labrador current is a continuation of which two currents?
3. How do the ocean currents affect the rainfall of a place? Do not give any example. (2)
4. North Atlantic Drift flows in three directions. Mention any two directions in which it flows. (2)

Question 7

1. With reference to Stratosphere answer the following: (3)
 - a. Which important layer lies here generally found between the altitudes 20 and 50 km?
 - b. Why is this layer ideal for flying jet aircraft?
 - c. What is the upper limit of the stratosphere known as?
2. State any three chief characteristics of exosphere. (3)
3. State two characteristics of ionosphere. (2)
4. Give one reason for each of the following: (2)
 - a. Atmosphere is a dynamic entity.
 - b. Rise in sea level due to global warming may lead to disastrous consequences.

Question 8

1. Define the following: (3)
 - a. Insolation
 - b. Terrestrial Radiation
 - c. Heat Budget
2. Temperature decreases with altitude. Explain the factors responsible for this. (3)
3. Distinguish between sea breeze and land breeze. (with reference to the definition) (2)
4. Land gets heated or cooled more quickly than water. Give reasons. (2)

Question 9

1. State the characteristics of Polar winds. (3)
2. Give any three characteristics of Westerlies. (3)
3. Give a reason for each of the following: (2)
 - a. Mountain climbers use bottled oxygen when they ascend high.
 - b. People in an aeroplane do not experience “the bends”.
4. What is the other name for equatorial low- pressure belts? Why are they so called? (2)

Question 10

1. Mention any six sources of noise pollution. (3)
2. State the effects of soil pollution on human health. (3)
3. State any two advantages of 'no smoking' zone. (2)
4. State any two steps which you would take to reduce/ prevent air pollution (2)