

GREENLAWNS HIGH SCHOOL

FINAL EXAMINATION 2023-24

SUBJECT: GEOGRAPHY

CLASS: IX

TIME: 2 HOURS

MARKS:80

Answers to this paper must be written on the answer sheet provided separately.

**Part-I** is compulsory. All questions from **Part-I** are to be attempted.

A total of **five** questions are to be attempted from **Part-II**.

The map given at the end of the paper must be detached, and after marking, must be fastened to your answer booklet.

All sub-sections of the questions attempted must be answered in the correct serial order.

**PART-I (30 MARKS)**

**Attempt all the questions from this part.**

**Question-I**

**Choose the correct option**

**10m**

- Which of the following landform is formed during the initial stage of a river?  
a) Meander  
b) V shaped valley  
c) Delta  
d) Oxbow Lake
- The large-scale movement of loose material (rock waste) down the slope on account of gravity is \_\_\_\_\_.  
a) Mass movement  
b) Deposition  
c) Denudation  
d) Weathering
- An underground water stream that is saturated with water and transmits water readily is known as \_\_\_\_\_.  
a) Trough  
b) Underground  
c) Bedrock water  
d) Aquifer
- What is the correct sequence of occurrence of various atmospheric layers from the earth surface?  
a. Thermosphere b. Stratosphere c. Mesosphere d. Troposphere  
a) abcd  
b) cbda  
c) dabc  
d) dbca

5. The heat radiated by the earth in the form of long waves is called \_\_\_\_\_  
a) convection  
b) Conduction  
c) terrestrial radiation  
d) Heat balance

6. The decrease in the pressure per unit distance in the direction in which the pressure decreases most rapidly.  
a) Pressure Gradient  
b) Decreased Pressure  
c) Unit/Distance Gradient  
d) Decreased Pressure

7. \_\_\_\_\_ warm local winds blow in the Alps and \_\_\_\_\_ blows in the Rockies.  
a) Chinook, Mistral  
b) Polar Easterlies  
c) Foehn, Mistral  
d) Foehn Chinook

8. Which of the following clouds have a layered structure?  
a) Cirrus  
b) Cumulus  
c) Stratus  
d) None of these

9. The \_\_\_\_\_ current is also known as the 'Black Stream'.  
a) Kuroshio current  
b) Atlantic current  
c) Oyashio current  
d) Newfoundland current.

10. The calm region in the centre of the cyclone is called the \_\_\_\_\_ of the cyclone.  
a) focus  
b) core  
c) eye  
d) none of these

~~X~~ Which among the following is NOT a source of air pollution?  
a) Vehicles  
b) Open dumping  
c) Chimneys  
d) Loudspeakers

~~X~~ A holistic system of farming which is primarily aimed at cultivating the land and raising crops in such a way, as to keep the soil alive and in good health in an eco-friendly pollution free environment.

~~X~~  
a) Preventive farming  
b) Eco-friendly farming  
c) Primary farming  
d) Organic Farming

Extra

### Question-II

10m

On the outline World map **mark and label** <sup>and shade</sup> the following:

1. The Rockies
2. Hudson Bay
3. The Ural Mountains
4. River Amur
5. Tibetan plateau
6. Shade and label the Tropical monsoon region in Australia
7. Strait of Malacca
8. Gulf of Guinea
9. River Amazon
10. Shade and label the Mediterranean region in South America

### Question-III

10m

1. Define Solution
2. How are V-shaped valleys formed?
3. When do high tides occur?
4. How is heat balance achieved?
5. What are Jet streams?
6. How does cyclonic rainfall occur?
7. Define Bio degradable pollutants.
8. Name the three domains of the Biosphere.
9. Name two heavy metals from industries that pollute water.
10. What is the effect of oil spills on marine life?

### PART-II

Attempt any **five** questions from **this Part**

### Question-IV

10m

1. Define 2m
  - (a) Physical weathering
  - (b) Biological weathering
2. Distinguish between Oxidation and Hydration. **[only definition]** 2m
3. Give geographical reason for the following: 3m
  - (a) Vegetation prevents disintegration of rocks.
  - (b) Physical weathering is more rapid in deserts.
  - (c) During weathering, the colour of iron changes to red, yellow or brown.
4. List three chief characteristics of weathering. 3m

**Question-V**

1. List the four processes involved in the process of denudation. 10m
2. What is the most dominant activity of a river in the upper course. List two landforms formed by the river in the upper course. 2m
3. Not all rivers can form deltas. Give geographical explanation to the statement. 3m
4. Explain the following terms: 3m
  - a. Deflation hollows
  - b. Sand dunes
  - c. Barchans

**Question-VI**

1. Define: 10m
  - a. Apogee 2m
  - b. Perigee
2. Distinguish between warm ocean currents and cold ocean currents. 2m
3. Give geographical reason for the following: 3m
  - a. The coasts of Norway are <sup>not</sup> frozen in winter whereas its adjoining coasts are frozen for most part of the year.
  - b. Atlantic Ocean water flows into the Mediterranean's sea surface.
  - c. The water of the Oyashio current forms the richest fishing grounds.
4. 3m
  - a. State two factors responsible for causing ocean currents.
  - b. What effect does ocean current have on the climate of the coast? (Give example)

**Question-VII**

1. List two functions of the atmosphere. 10m
2. State two causes of global warming. 2m
3. 1m
  - a. State the extent of the Stratosphere.
  - b. Give geographical reason for the following: 2m
    - (i) Stratosphere is ideal for flying jet aircrafts.
    - (ii) Wireless communication is possible due to Ionosphere.

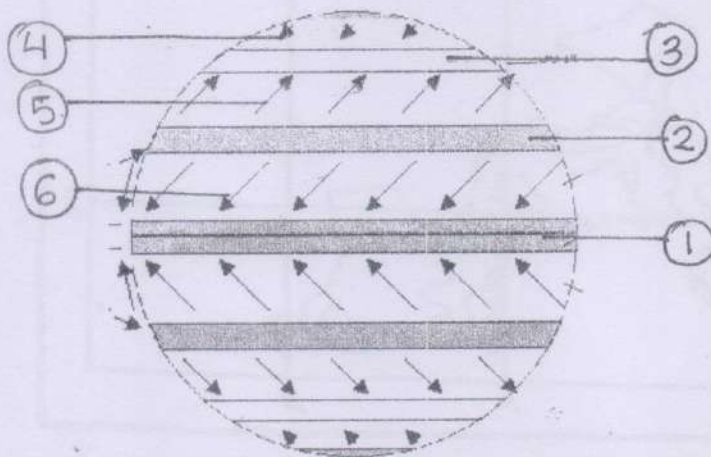
4. 3m
- What is the Ozone layer?
  - Ozone depletion is more common in Antarctica region as compared to the Arctic region. Explain.

**Question-VIII**

- Distinguish between land breeze and sea breeze. 2m
- Answer the following: 2m
  - Why is the temperature of Delhi less than that of Chennai in December?
  - North India has a greater range of temperature than South India. Explain.
- Define the following: 3m
  - Insolation
  - Altitude
  - Normal lapse rate
- Draw a well labelled diagram to show the heat zones of the earth. 3m

**Question-IX**

- List four factors affecting atmospheric pressure. 2m
- List two characteristics of Polar winds. 2m
- Give geographical reason. 3m
  - Sub-tropical high pressure is also called Horse latitudes.
  - The low-pressure belt is known as Doldrums.
  - The Westerlies is in the Southern Hemisphere, blow with greater force than those in the Northern Hemisphere.
- Label the diagram given below. 3m



### Question-X

- (i) What is evaporation? 2m  
(ii) State the factors favouring evaporation.
- (i) Define precipitation. 2m  
(ii) List two chief forms of precipitation.
- (i) Define condensation. 3m  
(ii) List two atmospheric conditions when condensation takes place.
- Draw a well labelled diagram showing orographic rainfall. 3m

### Question-XI

- List four measures that can be taken to curb air pollution. 2m
- State two principles of Organic farming. 2m
- Answer the following: 3m  
(i) What are pathogens?  
(ii) How do they enter human body?  
(iii) Name two diseases caused by pathogens.
- What type of pollution is most prominent in your city? List one cause and one remedy to it. 3m



Name: \_\_\_\_\_

Class: \_\_\_\_\_

Roll No: \_\_\_\_\_

