

Greenlawns School Worli
Final Examination 2025-2026
Geography

Std: IX
Date:16/2/2026

Marks: 80
Time: 2 hours

SECTION A

Q.1. Answer the following. (any five) [10]

- a) 'Deforestation is a major contributor of global warming.' Explain.
- b) Which two types of tides can occur on the eighth day of each fortnight of a month? Why do these tides occur on this day?
- c) 'The stratosphere is very significant to human beings.' Justify this statement with two relevant points.
- d) Explain the term pressure gradient. State its significance to winds.
- e) When is dew formed? Name any two places on which dew is usually formed.
- f) 'Air pollution poses a serious threat to our environment.' Elucidate.

Q.2. On the outline map of the world provided to you mark and name the following. [10]

- a) The Andes mountains
- b) Iranian plateau
- c) North Pacific Ocean
- d) The Great Australian desert
- e) River Nile
- f) The Caspian Sea
- g) Hudson Bay
- h) River Colorado
- i) The Himalayan mountains
- j) The Gulf of Guinea

Q.3. Choose the correct option. [10]

1. The sources of water on our planet constitute:
 - a) Underground water
 - b) Glaciers
 - c) Rivers
 - d) All of the above
2. The atmosphere is kept in dynamic state due to:
 - a) The energy of the Sun
 - b) The energy of the moon
 - c) The energy of the planet Mars
 - d) The energy of the planet Venus
3. Winds are beneficial to us as:
 - a) They transfer energy from one place to another
 - b) They transfer heat and moisture from one region to another
 - c) They transfer air pressure from one place to another
 - d) They transfer light from one place to another

4. The factors that favour evaporation are:
- Humidity
 - Supply of heat
 - Winds
 - All of the above
5. A source of soil pollution is:
- Mercury
 - Carbon monoxide
 - Bio-medical waste
 - X-ray waste
6. The period of tides changing is approximately:
- Five hours
 - Seven hours
 - Six hours
 - Four hours
7. The sun's heat is reflected back into space by:
- Dust particles
 - Clouds
 - Water vapour
 - All of the above
8. The trade winds are named after:
- Russian words 'TPH' meaning three as they are of three types
 - German word trade meaning 'track' as they blow steadily in the same direction
 - Italian word 'tutto' meaning everything as they cover the entire planet
 - None of the above
9. The rain bearing clouds which cause heavy rainfall are
- Cirrus
 - Stratus
 - Cumulus
 - Nitfus
10. The Old fold mountains of India which was under threat recently
- Himalayas
 - Satpuras
 - Aravallis
 - Garro

SECTION B

Q.4.

- Name the two types of currents based on their placement in the ocean water. What is the percentage of occurrence of each current? [2]
- What is a wave? Why is it caused? [2]
- With reference to the Kurushio Current answer the following: [3]
 - Where does it originate?
 - Which country is it associated with?
 - How does it benefit the country mentioned in the above question?
- Explain any three climatic effects of ocean currents. [3]

Q.5.

- a. Give any two characteristics of the exosphere. [2]
- b. How does the distance from the sea affect the temperature of a place? [2]
- c. Give geographical reasons for the following: [3]
 - (i) There is no ozone hole over the Arctic region.
 - (ii) Shimla is cooler than Chandigarh in summer.
 - (iii) Many coastal cities may be submerged in the next 75 years.
- d. Draw a neat and labelled diagram showing the heat budget of our planet. [3]

Q.6.

- a. How does water vapour affect atmospheric pressure? [2]
- b. Which pressure belt occurs in the 30° North and South latitude? Give another name for this pressure belt and the reason for this name. [2]
- c. Explain the following terms: [3]
 - (i) Mistral
 - (ii) Doldrums
 - (iii) Tropical cyclone
- d. Name the different periodic winds and one place where each of them occurs. [3]

Q.7.

- a. Relative humidity is a more essential characteristic of climate than the assertion of absolute humidity. Give two relevant points to prove this is true. [2]
- b. State any two atmospheric conditions necessary for condensation to take place. [2]
- c. Give geographical reasons for the following. [3]
 - (i) Convictional rainfall cannot occur in extremely cold places.
 - (ii) Fog is more dangerous than mist.
 - (iii) The total volume of water in oceans and seas is constant.
- d. Draw a neat and labelled diagram of 'Orographic rainfall.' [3]

Q.8.

- a. Which agricultural practices lead to soil pollution? What can we do to prevent it? [2]
- b. How does water get polluted due to human actions? Explain any two ways. [2]
- c. Animal life has been put in great danger due to various types of pollution. State the detrimental effects of the following types of pollution on animal life: [3]
 - (i) Water pollution
 - (ii) Noise pollution
 - (iii) Radioactive pollution
- d. Suggest any three ways in which a student can contribute to environmental preservation. [3]