

- l. Which among the following is not a form of Precipitation? [1]
- i. Rainfall ii. Snowfall
iii. Hail stone iv. Cloud
- m. The low daily range of temperature is the characteristic of- [1]
- i. Marine climate ii. Continental climate
iii. Unequable climate iv. None of these
- n. _____ are lines joining places having the same barometric Pressure. [1]
- i. Isotherm ii. Isohytes
iii. Isobars iv. None of these
- o. The average rate of decrease of air pressure is about 34 millibars per- [1]
- i. 300 meters of altitude ii. 400 meters of altitude
iii. 500 meters of altitude iv. None of these
- p. Winter rain in Mediterranean regions is caused by- [1]
- i. Trade winds ii. Westerlies
iii. Polar winds iv. None of these
- q. Environmental damage caused by careless human activity is known as- [1]
- i. Eutrophication ii. Smog
iii. Pollution iv. Pollutants
- r. Increasing quantity of greenhouse gases like carbon dioxide can cause- [1]
- i. Ozone depletion ii. Global warming
iii. Eutrophication iv. None of these
- s. The temperate grassland of North America is Known as- [1]
- i. Pampas ii. Prairies
iii. Steppes iv. None of these
- t. Which of the following are not dominant trees in Mediterranean region- [1]
- i. Ebony ii. Cork
iii. Cypress iv. Karri

Q.2 On the Outline world map mark and label the following : [10X1=10]

- a. Equatorial Region b. Indian Ocean
c. Persian Gulf d. Canadian Shield
e. Strait of Malacca f. Scandinavian Mountains
g. River Hwang Ho h. Andes Mountain
i. Black Sea j. River Tigris

PART - II (50 Marks)

Attempt any five questions from this part

- Q.3 a. i. What is longitude? [2]
ii. Name the longitudes which divide the Earth into Eastern and Western Hemispheres.
- b. i. On which two dates, Earth is nearest and farthest from the Sun. [2]
ii. Mention their distance during Perihelion and Aphelion.
- c. Give reason for each of the following: [3]
- i. Pilots follow the great circle routes.
ii. Large countries have many time zones.
iii. London experience lower temperature than Singapore.
- d. Draw a neat labelled diagram showing the Position of the Earth during summer solstice. [3]

- Q.4 a. Write two characteristics of Igneous rocks. [2]
 b. Give an example of the following: [2]
 i. Structural plain ii. Volcanic plateau
 iii. Block mountain iv. Residual mountain
 c. Name the following: [3]
 i. Intrusive rocks which form the base of the Mountains.
 ii. The lower continuous layer of Lithosphere rich in Silica and Magnesium.
 iii. Volcano which is characterized by alternate sheets of lava and Pyroclastic material.
 d. Mention main causes of following earthquakes: [3]
 i. The Krakatoa Earthquake ii. Bhuj earthquake in 2001
 iii. Koyna Earthquake of 1931
- Q.5 a. i. In which areas Mechanical weathering is Effective? [2]
 ii. Write two factors responsible for it.
 b. Draw a well labelled diagram of a spring tide. [2]
 c. Write down the correct term for following: [3]
 i. The change in temperature causes the rock to break up or peel off.
 ii. Oxygen in the air and water react with mineral in the rock.
 iii. The chemical reaction of water with minerals, changes the proportion and composition of rocks and minerals.
 d. Write down the importance of following layers of the Atmosphere. [3]
 i. Troposphere ii. Stratosphere iii. Ionosphere
- Q.6 a. Name one warm and cold currents of the Pacific and the Atlantic Ocean. [2]
 b. Give reason for the following: [2]
 i. The action of wind is most prominent in arid region.
 ii. The tides help in navigation.
 c. Write short notes on: [3]
 i. Hydration ii. Meander iii. Barchan
 d. Write down the effect of ocean currents on climate. [3]
- Q.7 a. i. What is Solar Constant? [2]
 ii. Mention two processes by which the Earth's atmosphere is heated.
 b. "Higher the latitude, lower is the temperature". Justify the statement with an example. [2]
 c. Give a reason for each of the following: [3]
 i. Hill stations are cooler even in summer.
 ii. Mumbai has equable climate.
 iii. Southern slopes in the Northern Hemisphere are warmer than those facing North.
 d. Write short note on: [3]
 i. Terrestrial Radiation
 ii. Inversion of Temperature
 iii. Pressure Gradient
- Q.8 a. Differentiate between Permanent winds and Periodic winds. [2]
 b. Draw a labelled diagram to show the major pressure belts of the world. [2]
 c. Give reason for the following: [3]
 i. Low atmospheric pressure prevails over the circum polar region.
 ii. Westerlies blow with great strength in the Southern Hemisphere.
 iii. There is seasonal shifting in pressure belts.
 d. Write whether the following local winds are warm or cold and the region in which they blow. [3]
 i. Loo ii. Chinook iii. Foehn

- Q.9 a. Write short note on: [2]
 i. Frost ii. Hailstones
- b. Differentiate between Relative and Absolute Humidity. [2]
- c. i. Which type of rainfall occurs in equatorial region? [3]
 ii. Write its two characteristic features.
- d. Draw a well labelled diagram to show orographic rainfall. [3]
- Q.10 a. Write two main sources of marine water pollution. [2]
 b. Give reasons: [2]
 i. Vehicles are the main source of Air pollution.
 ii. The use of CFCs is the main cause of the depletion of ozone layer.
- c. Write short note on: [3]
 i. Bhopal gas tragedy ii. Eutrophication iii. Oil spill
- d. Explain the term Organic farming. How does Organic farming help in saving the soil quality. [3]
- Q.11 a. Write two features of the natural vegetation found in the equatorial region along with two main trees found here. [2]
 b. Mention two characteristic features of Mediterranean type of Climate. [2]
 c. Give reasons for the following: [3]
 i. Tropical deserts are located in the western margin of the continents.
 ii. Agriculture is the main occupation in Tropical Monsoon region.
 iii. Coniferous trees are found in Taiga region.
- d. Name the following: [3]
 i. Short statured Nomadic people of Congo basin-
 ii. The people leading a settled life in Nile delta-
 iii. Dome shaped houses are made with ice blocks in Tundra region-
