

Answer to this paper must be written on the answer sheet provided separately. You will be allowed to write during the first 15 minutes. This time is to be spent in reading the questions papers. The time given at the head of this paper is the time allowed for writing the answers.

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 intended marks for questions or parts of questions are given in brackets [].

Part - I (30 Marks)

Attempt all questions from this part.

Question I.

- (a) Distinguish between the torrid zone & the frigid zone. [2]
 (b) Discuss two constructive effects of weathering. [2]
 (c) Write the importance of Jet Streams. [2]
 (d) Write the causes & effects of noise pollution. [2]
 (e) Mention the areas of Tundra region. [2]

Question II.

On the outline map of the world mark & label the following:- [10]

- (a) North Sea (b) Hudson Bay (c) Gulf of Mexico (d) River Danube
 (e) River Nile (f) Andes mountain (g) Great Dividing Range (h) Mongolian Plateau
 (i) Iranian Plateau (j) Drakensburg Mountain

Question III.

Choose the correct option [10]

- (a) According to international agreement, the whole world is divided into _____ time zones.
 (i) 19 (ii) 21 (iii) 12 (iv) 24
- (b) Winter solstice occurs on _____ in the northern hemisphere.
 (i) 22nd December (ii) 21st December (iii) 21st June (iv) 22nd October
- (c) 23rd September represents _____ season in the northern hemisphere.
 (i) Summer (ii) Winter (iii) Autumn (iv) Spring
- (d) The SIAL layer has an average density of about _____.
 (i) 3.0 gm/cm³ (ii) 13 gm/cm³ (iii) 2.7 gm/cm³ (iv) 1.7 gm/cm³
- (e) Metamorphism caused by high pressure during Earth movements is called _____.
 (i) Thermal metamorphism (ii) Regional metamorphism
 (iii) Dynamic Metamorphism (iv) None of these
- (f) _____ volcanoes are called 'sleeping' volcanoes.
 (i) Extinct (ii) Dormant (iii) Conical (iv) Active
- (g) The point of origin of an earthquake is called _____.
 (i) Seismic focus (ii) Epicentre (iii) Seismic centre (iv) Earthquake centre
- (h) Which one of the following is an example of chemical weathering?
 (i) Hydration (ii) Forst action (iii) Exfoliation (iv) Granular disintegration
- (i) The process of horizontal transportation of heat by wind is known as _____.
 (i) Conduction (ii) Convection (iii) Advection (iv) Radiation
- (j) The temperature at which air gets saturated is called _____.
 (i) Dew point (ii) condensation (iii) Precipitation (iv) None of these

Part - II (50 Marks)
(Answer any five questions)

Question IV

- (a) Draw a diagram to show the heat zone of the earth. [2]
- (b) What is meant by standard time? [2]
- (c) Distinguish between latitude & longitude. [3]
- (d) What is a Great circle? How is a great circle useful? [1+2]

Question V

- (a) Write two effects of earth's revolution. [2]
- (b) Define the meaning of 'Aphelion' [2]
- (c) Distinguish between winter solstice & summer solstice. [3]
- (d) Define the following terms (i) Dawn (ii) Equinox (iii) Solstice [3]

Question VI

- (a) With the help of a diagram explain the meaning of 'Biosphere'. [2]
- (b) What is Mohorovicic Discontinuity? [2]
- (c) Distinguish between the Sima & Sial layer. [3]
- (d) Draw a diagram to show the interior structure of the Earth. [3]

Question VII

- (a) Write the importance of the atmosphere. [2]
- (b) Distinguish between insolation & terrestrial radiation. [2]
- (c) Discuss any three factors affecting the atmospheric pressure. [3]
- (d) Draw a diagram to show the planetary wind systems. [3]

Question VIII

- (a) What is absolute humidity? [3]
- (b) Name the different forms of condensation. [2]
- (c) With the help of a diagram explain the convectional rainfall. [3]
- (d) Distinguish between windward slope & leeward slope. [3]

Question IX

- (a) Define soil pollution. [2]
- (b) Name the sources of noise pollution. [2]
- (c) What are some of the health hazards caused by water pollution & air pollution? [3]
- (d) Write three preventive measures that can be carried out to curb environmental pollution. [3]

Question X.

- (a) Write the areas of equatorial region. [2]
- (b) Write the location of Tundra region. [2]
- (c) Write the climate of Tundra region. [3]
- (d) Mention the natural vegetation of equatorial region. [3]