



**DELHI PUBLIC SCHOOL NEWTOWN**  
**SESSION 2022-2023**  
**MONDAY TEST**

**CLASS: IX**  
**SUBJECT: GEOGRAPHY**

**FULL MARKS: 40**  
**DATE: 07.11.2022**

**INSTRUCTIONS:**

- This paper consists of three printed pages.
- Answers should be to the point.
- Copy the question numbers carefully before answering the questions.

**Attempt all questions**  
**SECTION-A**

**Question 1**

Mark and label the following on the given World map:

**[10x1=10]**

- a) Hudson Bay
- b) River Hwang-Ho
- c) Caspian Sea
- d) River Danube
- e) Great Dividing Range
- f) Gulf of Carpentaria
- g) Scandinavian Highlands
- h) Canadian Shield
- i) Mongolian Plateau
- j) Bering Strait

**SECTION-B**

**Question 2**

Choose the correct option:

**[5x1=5]**

- i) The upper limit of the stratosphere is called:
  - (a) Tropopause
  - (b) Stratopause
  - (c) Mesopause
  - (d) Ozonosphere
- ii) Normal lapse rate means:
  - (a) Fall in 1°C temperature for every 166 metres of ascent
  - (b) Rise in 1°C temperature for every 166 metres of ascent
  - (c) Fall in 1°C temperature for every 166 metres of descent
  - (d) Rise in 1°C temperature for every 166 kilometres of descent
- iii) The reason for which the winds deflect to their right in the Northern Hemisphere and to their left in the Southern Hemisphere:
  - (a) Heat Budget
  - (b) Anticyclones
  - (c) Coriolis Force
  - (d) Global warming

- iv) Identify the statement which is true:
- (a) There is low pressure at the centre and high pressure around it in Anticyclones
  - (b) The permanent ice caps in the Poles are Polar Lows
  - (c) The temperate cyclones in South East Caribbean are known as Hurricanes
  - (d) The local winds moving down the west slopes of Rockies are known as Chinook
- v) “To blow steadily in the same direction and in a constant course” is applicable for:
- (a) Westerlies
  - (b) Polar Easterlies
  - (c) Trade winds
  - (d) Variable winds

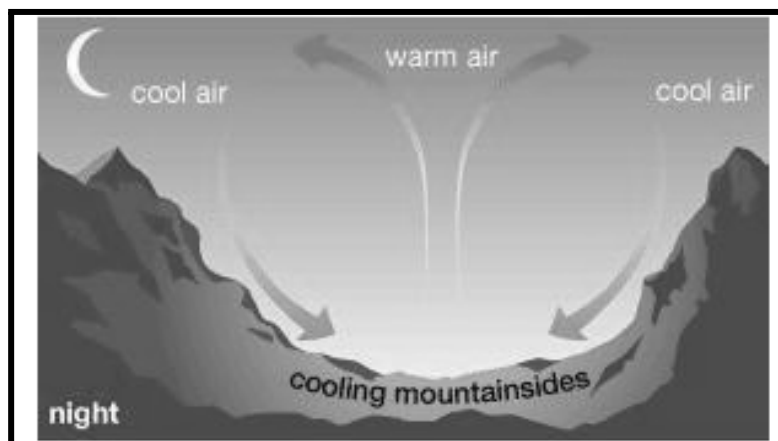
### SECTION-C

#### Question 3

- a) Explain the factors responsible for the depletion of ozone in the atmosphere. [2]
- b) Give geographical reasons for the following: [2]
  - (i) All the weather phenomena take place in the troposphere.
  - (ii) Ionosphere creates a sheet of display of lights.
- c) Explain the following terms: [2]
  - (i) CFCs
  - (ii) Stratosphere
- d) State the impact of global warming on sea level change and rainfall patterns all over the world. [2]

#### Question 4

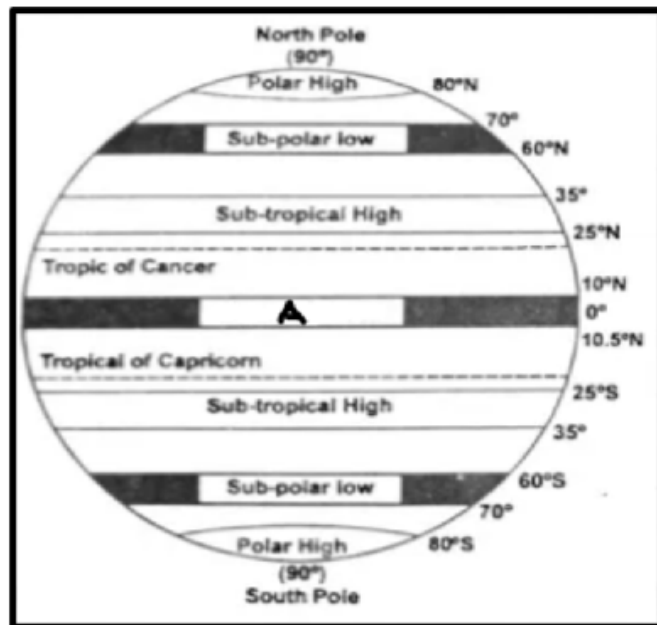
- a) Give reason for the following questions: [3]
  - (i) Air is cooler at higher altitudes than on the Earth’s surface.
  - (ii) Kochi enjoys a moderate climate than Kanpur.
  - (iii) The Earth is divided into temperature zones.
- b) Study the diagram given below and explain the phenomenon: [3]



- c) Explain heat balance in brief. [2]

**Question 5**

- a) State any one point of difference between the following: [2]  
(i) Tropical and Temperate cyclones  
(ii) Westerlies and Polar Easterlies
- b) Name the following: [2]  
(i) The rate of change of atmospheric pressure between two points on the Earth's surface.  
(ii) Local winds originating in France and blowing towards the Mediterranean Sea.
- c) Study the diagram below and answer the following questions: [2]



- (i) Why is the region marked A known as doldrums?  
(ii) Name the winds that converge in this region.
- d) Draw neat labeled diagrams of land breeze and sea breeze. [3]