Social Science

Practice Test Paper 3

Understanding Society: India and Beyond

(Part 1 | Chapter 3: Atmosphere and Climate)

Class IX

Time Allowed: 45 Minutes | Maximum Marks: 25

General Instructions

1. All 13 questions are compulsory. The paper has four sections: A, B, C and D.
2. Section A - 5 marks; Section B - 8 marks; Section C - 9 marks; Section D - 3 marks.
3. Choose one correct option in Section A. Write clear, relevant answers in Sections B, C and D.
4. Study the images carefully before answering the related questions.

SECTION A

(5 questions × 1 mark = 5 marks)

1. Which atmospheric gas makes up about 0.93% of the air?

(A) Argon
(B) Carbon dioxide
(C) Oxygen
(D) Nitrogen

2. A gentle wind can be felt on the face, leaves rustle and a wind vane begins to move. This is a:

(A) Violent storm
(B) Light breeze
(C) Strong breeze
(D) Calm condition

3. The footprints on the globe suggest the impact of our activities on Earth. Which term measures the greenhouse gases released by these activities?



(A) Solar altitude
(B) Carbon footprint
(C) Mean sea level
(D) Annual rainfall

4. Which two gases are especially associated with the very thin air of the exosphere?

(A) Helium and hydrogen
(B) Methane and nitrous oxide only
(C) Carbon dioxide and ozone only
(D) Oxygen and nitrogen only

5. Which organisation divides India's year into winter, summer, monsoon and post-monsoon seasons?

(A) Ministry of Railways
(B) Ministry of Culture
(C) National Disaster Management Authority
(D) Indian Meteorological Department

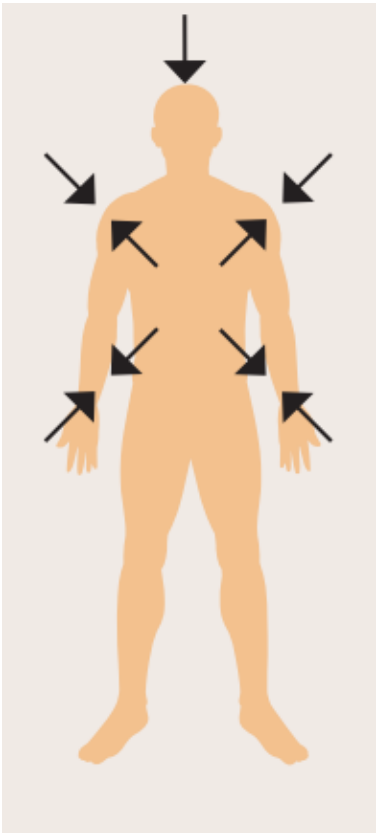
SECTION B

(4 questions × 2 marks = 8 marks)

6. Where is the ozone layer located, and how does it protect life on Earth?

7. Explain why the winter monsoon generally carries cold, dry air from India towards the surrounding seas.

8. Look at the arrows around the body in the diagram. Explain why we do not normally feel the strong pressure exerted by the surrounding air.



9. Give two everyday examples showing how weather can influence a person's mood and plans for outdoor activities.

SECTION C

(3 questions × 3 marks = 9 marks)

10. Explain how climate change affects glaciers, sea level and biodiversity, adding a link to natural ecosystems or people's lives.

11. Explain the summer monsoon in three linked stages, beginning with the unequal heating of India’s landmass and the surrounding ocean.

12. Contrast the effects of a weak monsoon and an excessively rainy monsoon. Explain why farmers need to plan for both possibilities.

SECTION D

(Application Based Question - 3 marks)

13. The photograph shows flooding in Punjab in 2025. Think about the heavy monsoon rains, the condition of river embankments, and the farms in the affected area. Answer the following questions.



(i) How did the heavy rain contribute to river flooding?

(ii) Why were weak, old embankments unable to protect nearby land?

(iii) How did the flood affect farmland and paddy crops?