

Practice Assignment

Answer all the questions.

MM-25

1. A farmer has one hectare of land. He can produce either wheat or pulses on it. He chooses wheat because its expected return is higher. Which combination of economic concepts is illustrated? (1M)

- a) Scarcity, choice and opportunity cost
- b) Unlimited resources and consumption
- c) Production without choice
- d) Abundance and equality

2. If weathering breaks rocks into smaller particles and running water transports them, which sequence correctly represents the processes? (1M)

- a) Deposition → erosion → weathering
- b) Weathering → erosion → deposition
- c) Erosion → deposition → weathering
- d) Weathering → deposition → erosion

3. Assertion (A): Coastal areas generally experience smaller temperature variations than inland areas.

Reason (R): Land and water heat and cool at different rates. (1M)

- a) Both A and R are true, and R is the correct explanation of A.
- b) Both A and R are true, but R is not the correct explanation of A.
- c) A is true, but R is false.
- d) A is false, but R is true.

4. A region experiences frequent earthquakes because it lies near an active plate boundary where tectonic plates interact. Explain why plate boundaries are more prone to earthquakes. (2M)

5. A private company is selling a product using misleading information. Why may government intervention be necessary in such a situation? (2M)

6. A country has limited natural resources but unlimited human wants. Explain why scarcity makes choice necessary in economic decision-making. Also explain the role of opportunity cost in such a choice. (3M)

7. The market for mangoes is initially in equilibrium. A bumper crop suddenly increases the supply of mangoes while demand remains unchanged. Analyse the likely changes in equilibrium price and quantity. Give reasons. (3M)

8. The demand for electric scooters increases as consumers prefer eco-friendly transport, while improved battery technology lowers production costs. Explain how these two changes affect demand and supply. (3M)

9. Weather conditions can change from day to day, whereas climate describes the general pattern of atmospheric conditions over a longer period. Explain this difference and describe any three elements of weather used to characterise the atmospheric conditions of a particular place. (5M)

10. Read the following situation and answer the questions that follow:

A village located in a Himalayan valley is situated downstream from a glacial lake. Due to rising temperatures, the glacier feeding the lake melts rapidly. The lake expands and its natural barrier becomes unstable. Suddenly, the barrier breaks and a huge volume of water, along with rocks and debris, rushes down the valley towards the village.

a) Identify the hazard described in the situation. (1 mark)

b) What change in the glacial conditions has increased the risk of this hazard? (1M)

c) The village is located downstream from the glacial lake. Explain why its location makes it particularly vulnerable and suggest one measure that could reduce the risk to the villagers. (2M)