

Class- 7

Sub- Geography

Ch- Water

1. Assertion (A): The same water that existed centuries ago still exists on the earth today.
Reason (R): Water continuously circulates between land, oceans and atmosphere through the water cycle.
2. Assertion (A): Tsunamis cause greater destruction near coastal areas than in deep oceans.
Reason (R): The speed of tsunami waves decreases as the depth of water decreases.
3. Statement I: Most of the water on earth is fit for human consumption.
Statement II: Oceans contain saline water due to dissolved salts.
4. Statement I: High tides help ships to enter harbours easily.
Statement II: Tides are caused by the gravitational pull of the sun and the moon.
5. A coastal region experiences frequent fog and rich fishing grounds. This condition is most likely due to
 - (a) strong waves caused by winds
 - (b) meeting of warm and cold ocean currents
 - (c) regular occurrence of neap tides
 - (d) increased evaporation from oceans
6. A sudden withdrawal of sea water from the coastline is observed. This situation indicates
 - (a) formation of spring tides
 - (b) arrival of ocean currents
 - (c) possibility of an approaching tsunami
 - (d) onset of monsoon winds
7. Which one of the following is NOT a correct reason for water scarcity?
 - (a) Uneven distribution of fresh water
 - (b) Excessive use of water resources
 - (c) Presence of large oceans on earth
 - (d) Pollution of water bodies

8. A farmer observes that even after repeated use of river water for irrigation over many years, water continues to be available through rainfall and rivers. This situation reflects an important natural process. Explain the significance of this process.

Answer: Significance of Water Cycle

- (i) The water cycle ensures continuous movement of water between land, oceans and atmosphere.
- (ii) It helps in maintaining a balance of water available on the earth.
- (iii) It supports all forms of life by providing fresh water through precipitation.
- (iv) It regulates weather patterns and climate conditions.
- (v) It enables reuse of the same water over centuries.

9. A region surrounded by seas still faces acute shortage of drinking water, forcing people to depend on limited sources like rivers and groundwater. This situation highlights a major issue related to water availability. Justify the reason.

Answer: Uneven Distribution of Water

- (i) Most of the earth's water is saline and not suitable for human use.
- (ii) Fresh water is mainly locked in ice caps and glaciers.
- (iii) Only a very small percentage of water is available in rivers and lakes.
- (iv) Population pressure increases demand for limited fresh water.
- (v) Misuse and wastage further reduce usable water resources.

10. After a sudden withdrawal of sea water from the coast, many people gather near the shoreline out of curiosity, leading to heavy loss of life when a massive wave strikes. This situation underlines an important lesson related to disasters. Explain.

Answer: Need for Awareness and Preparedness

- (i) Lack of early warning systems increased loss of life and property.
- (ii) People misinterpreted the withdrawal of sea water as a natural event.
- (iii) Scientific monitoring can reduce disaster impact.
- (iv) Public awareness helps people move to safer locations.
- (v) Preparedness strengthens community response during natural disasters.