Biology - 12th Class Biology Chapter 26 Short Questions Preparation

Q1. What are algal blooms?Give their effects on aquatic life.

Ans 1: Excessive growth of blue green algae due to high concentration of phosphates and nitrates in water is called algal blooms. It can cause deficiency of oxygen in water and leads to animal death.

Q2. What is the effect of human impacts on desert ecosystem?

Ans 1: While human activities are reducing the extent of many biomes,they are causing the spread of deserts a process is called desertification.The loss of productivity of ecosystem is nearly irreversible and massive famines are result of human activities.

Q3. What is the difference between savanna and prairies?

Ans 1: **Prairies**:Grass land ecosystem present in temperate climate is called prairies.Grass land without woody trees is also known as Prairies.

Ans 2: **Savanna:**Grass land ecosystem with woody plants is called Savanna.

Q4. What are planktons?Give their two types.

Ans 1: Planktons are drifting or free living organisms which are mainly microscopic.These are of two types

Ans 2: i Zooplanktons
ii Phytoplanktons

Q5. What is Taiga?

Ans 1: Northern coniferous forests are called taiga.

Q6. Characterize profundal zone of fresh water lakes.

Ans 1: Here light is insufficient to support photosynthesis.This area is mainly nourished by detritus. Decomposers and detritus feeders such as snails and certain insect larvae,bacteria,fungi and fishes inhabit it.

Q7. Describe animal life in profundal zone

Ans 1: Decomposers and detritus feeders such as snails and certain insect larvae,bacteria,fungi and fishes inhibit it.

Q8. Name four common features to aquatic ecosystem.

Ans 1: Four features of aquatic ecosystem are

Ans 2: i) Temperature
ii) Absorption of energy/light
iii) Nutrients
iv) Abundant water with suitable temperature.

Q9. Differentiate between limnetic zone and profundal zone.

Ans 1: **Limentic zone**: In this zone adequate or enough light penetrates to support photosynthesis.In this zone mainly cyanobacteria,protozoa,small crustaceans and fishes are present.

Ans 2: **Profundal zone:** In this zone light is insufficient to support photosynthesis.This area is mainly nourished by detritus that fall from littoral and limnetic zone.Here mostly decomposers and detritivores like snail,certain insect larvae,bacteria,fungi and fish inhabit.

Q10. Give four name of major terrestrial ecosystem in Pakistan..

Ans 1: Major terrestrial ecosystem of Pakistan are

Ans 2: i) Temperate deciduous forest
ii) Coniferous alpine and boreal forest
iii) Grassland ecosystem
iv) Desert ecosystem
v) Tundra ecosystem