

## Biology - 12th Class Biology Chapter 25 Short Questions Preparation

Q1. What are root nodules? Give their importance.

**Ans 1:** Root nodules are present in leguminous plants which contain bacteria. Importance is that these nodules contain nitrogen fixing bacteria which fix the nitrogen and supply it to the plant and play an important role in plant growth.

Q2. Define lichens. Or What are lichens?

**Ans 1: Lichens:** It is the association between algae and fungi. Fungi give protection to algae from desiccation while algae perform photosynthesis and provide nutrition to fungi.

Q3. Differentiate between ectoparasites and endoparasites.

**Ans 1: Ectoparasite:** Parasite which lives on outer surface of the body is called ectoparasite like lice, ticks and mites.

**Ans 2: Endoparasites:** Parasites which live inside the body of its host is called endoparasite like liver fluke.

Q4. What is symbiosis? Give one example.

**Ans 1:** This is a beneficial association between two organisms, which brings benefit to both the organisms. For example, relation between algae and fungi to form lichens. Algae make food and also give it to fungi while fungi give protection to algae in return.

Q5. What is commensalism? Give an example. Or Define commensalism.

**Ans 1:** In this type of relationship only one organism gets benefit from the relationship. The other is not affected at all. For example, sharks may have small fish called remoras pick the scraps. The remoras get benefit from this relationship the shark is not affected at all.

Q6. Define foliose lichens with one example. OR What is foliose lichen stage? Give an example.

**Ans 1:** In this stage the lichens are just crumpled leaves attached at one point. It produces shade to the crustose lichens as a result of which their growth is reduced. Examples are *Dermatocarpon*, *Permellia*.

Q7. What are biotic components of an ecosystem?

**Ans 1:** Living components of ecosystem are called biotic components, this includes producers, consumers and decomposers.

Q8. Define grazing.

**Ans 1:** Many animals like rabbits, goats, sheep, cows, buffaloes and horses feed on grasses. This mode of feeding is called grazing and these animals are called grazers.

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Q9. Compare population and community and give their example.

**Ans 1: Population:** Members of the same species living in same area at same time is called population

**Ans 2: Community:** Different populations living in same area are called community.

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Q10. Define food chain and food web only.

**Ans 1:** Process of eating and being eaten is called food chain.

**Ans 2:** Food web is combination of many food chains.  
for example; Grass-Cow-Man

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