

## Biology - FSc Part 1 Biology Full Book Short Questions Test

Q1. Define hypertension.

**Ans 1:** It is a condition of high blood pressure, damaging the lining of the blood vessels and also leads to the weakening of heart muscles.

Q2. Give two symptoms of emphysema.

**Ans 1:** Weight loss. Shortness of breath.

Q3. Differentiate between fresh water biology and marine biology.

**Ans 1:** Fresh water biology: This branch of biology which deals with organisms living in fresh water bodies (rivers, lakes, ponds) and physical and chemical parameters of these water bodies.

**Ans 2:** Marine Biology: This branch of biology which deals with the organisms living in oceans or sea water and physical and chemical parameters of marine water.

Q4. Differentiate between apoenzyme and holoenzyme.

**Ans 1:** Apoenzyme: The protein part of enzyme is called apoenzyme or enzyme without non protein part is called apoenzyme.

**Ans 2:** Holoenzyme: A completely enzyme including co factor is called holoenzyme.

Q5. Differentiate between ectomycorrhiza and endomycorrhiza.

**Ans 1:** Endomycorrhiza: In this type the fungal hyphae penetrate only into the cell walls forming coils, swellings and minute branches and also extend out into the surrounding soil.

**Ans 2:** Ectomycorrhiza: In this type the hyphae surround and extend between cells but do not penetrate the cell walls of the cells of roots. These are mostly formed with pines, firs, etc., however the mycelium extends far out into the soil on both kinds of mycorrhizae.

Q6. What are fronds?

**Ans 1:** In ferns leaves are large size and are composed which is called fronds. It is a characteristic of fern group.

Q7. What is the role of crop and gizzard in cockroach?

**Ans 1:** Crop stores partly digested food. Food leaves the crop chunk by chunk and enters in gizzard. Gizzard cause grinding of food and food is transported to midgut.

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Q8. Differentiate between corals and coral reefs.

**Ans 1:** Corals: Corals are formed from the secretion produced by specialized polyp that are present in certain coelenterates.

**Ans 2:** Coral reefs: Living polyp are found on the surface layer of corals whereas underneath the mass and dead stony structure only and these are no polyp inside. These stony mass formed are called coral reefs.

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Q9. What is trypanosoma? What disease does it cause?

**Ans 1:** Parasitic flagellates cause diseases. For example Trypanosoma is a human parasite causing African sleeping sickness. It is transmitted by the bite of Tsetse fly.

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Q10. Give literal meaning of gymnosperms and angiosperms.

**Ans 1:** Gymnosperms mean naked seeded plants.

**Ans 2:** Angiosperms means plants with vessels and produce closed seeds.

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Q11. Differentiate between diploblastic and triploblastic animals.

**Ans 1:** Diploblastic : These animals have two germinal layers i.e ectoderm and endoderm.

**Ans 2:** Triploblastic: These animals have three germinal layers i.e ectoderm, mesoderm and endoderm.

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Q12. Enlist six plants diseases caused to fungi.

**Ans 1:** Rust, smut, apple scab, root rot of cotton.

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Q13. Name four phase of bacterial growth.

**Ans 1:** Four phase of bacterial growth are Lag phase, log phase, stationary phase and death or decline phase.

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Q14. Name a parasite amoeba. What disease does it cause?

**Ans 1:** Entamoeba histolytica cause amoebic dysentery.

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Q15. What are akinetes? Give their functions.

**Ans 1:** Akintes are thick walled, enlarge vegetative which accumulate food and become resting cells. On the onset of favourable conditions they form normal vegetative cells.

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Q16. Name four harmful effects of insect.

**Ans 1:** Harmful insect include Anopheles mosquito, House fly, Tsetse fly, Aphids.

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Q17. What is importance of sponges?

**Ans 1:** Sponges have following importance:

1. They are used as sound absorber.
  2. They are used in surgery to absorb blood and fluid.
  3. They are used for washing and bathing.
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Q18. Differentiate between Nutrition and Nutrient.

**Ans 1:** Nutrition : Some of all process involved in the taking an utilization of elements by which growth, repair and maintenance of activities in the organisms are accomplished is called Nutrition.

**Ans 2:** Nutrient : The food or any other substance that supplies the body with element necessary for the metabolism is called Nutrient

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Q19. Define ovule.

**Ans 1:** It is an integumented indeshiscent megasporangium.

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Q20. Name the most common fuel used by the cell to provide energy by cellular respiration.

**Ans 1:** The name of the most common fuel used by the cell to provide energy by cellular respiration is glucose.

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