

Biology - FSC Part 1 Biology English Medium Chapter 1 Preparation

Q1. What is embryology?

Ans 1: The branch of biology which deals with the study of development of embryo is known as embryology.

Q2. What is radiotherapy and chemotherapy?

Ans 1: Radiotherapy: Use of radiations for the treatment of disease (like cancer). In radiotherapy the cancerous part is exposed to short wave radiations from the radioactive source repeatedly at regular intervals.

Ans 2: Chemotherapy consists of administering certain anti-cancer chemicals to the patient at regular intervals.

Q3. Define Population. Give its attributes.

Ans 1: Population: A population is a group of organisms of the same species located at the same place. Example: the number of rats in a rice field, the numbers of students in a biology class or human population in a city. Some of these attributes are gene frequency, gene flow (transfer of gene to next generation), age distribution and population density and population pressure.

Q4. What are bio-pesticides?

Ans 1: Biopesticides are certain types of pesticides derived from natural materials such as animals, plants, bacteria and certain minerals. Microbial pesticides can control many different kinds of pests.

Q5. What are endangered species?

Ans 1: The species which are not near to extinction are called endangered species.

Q6. What is hydroponic culture technique? Give its uses.

Ans 1: Hydroponic culture technique (growing of plants in aerated water). It is used to test whether a certain nutrient is essential for plants or not. In this technique the plants are grown in aerated water to which nutrient mineral salts have been added. Hydroponic culture technique is however, as yet not feasible. Astronauts may use it for growing vegetables.

Q7. Differentiate between organ and organelle.

Ans 1: Organ: Different tissues having related functions are organized together in a structure to carry out its function with great efficiency. Such a structure is called an organ, e.g. heart, lungs.

Ans 2: Organelle: Organelle is the sub-cellular specialized structure which performs a particular function in the cell.

Q8. Why organ system is more complex in animals as compared to plants?

Ans 1: Complexity of organ system of animals is associated with range of functions and activities, Therefore organ system is more complex in animals as compared to plants.

Q9. Define Biomes.

Ans 1: A large regional community primarily determined by climate is called biome.
For Example: Desert biome

Q10. Write the name of four eras of geological time chart.

Ans 1: Four eras of geological time scale are :1.Proterozoic 2.Paleozoic 3.Mesozoic 4.Cenozoic.
