

## Biology - FSC Part 1 Biology English Medium Chapter 1 Preparation

Q1. 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 kind of pests.

Q2. What are endangered species?

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

Q3. Define bio technology.

**Ans 1:** It deals with the use of living organisms, system living in fresh water bodies (rivers, lakes, ponds) and physical and chemical parameters of these water bodies.

Q4. What is the significance of fossils?

**Ans 1:** By studying the fossils we can get information about ancestral history of organisms and also get information about the environmental condition of the past.

Q5. 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 interval.

**Ans 2:** Chemotherapy Consists of administering certain anti-cancer chemicals to the patient at regular interval.

Q6. What are six bioelements by which 99% part of the human body formed?

**Ans 1:** Oxygen 65%, Carbon 18%, Hydrogen 10%, Nitrogen 3%, Calcium 2% and phosphorus 1%.

Q7. 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.

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Q8. What is embryology?

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

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Q9. 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 organ. e.g. heart, lungs.

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

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Q10. How does theory differ from law?

**Ans 1:** When a hypothesis is supported by the result of many experiments is called a theory and when a theory is repeatedly gives the same result and is supported by the result of many experiments it is called law.

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