

Biology - FSC Part 1 Biology English Medium Chapter 10 Preparation

Q1. How insects are beneficial to man?

Ans 1: Insect plays an important role in pollination

1. They provide us Honey.
2. Many insects are source of wax.
3. Silk worm provide silk thread.

Q2. 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.

Q3. Differentiate between polyp and medusa,

Ans 1: Polyp is sessile living and asexually reproducing of phylum and coelenterata.

Ans 2: Medusa is free living and sexually reproducing individual of phylum coelenterata.

Q4. Differentiate between spiral and radial cleavage.

Ans 1:

1. Spiral Cleavage: Cleavage is that in which lines or planes cleavage are not symmetrical between poles instead are diagonal to the polar axis and produce unequal cells around the axis of polarity, The fate of blastomeres is foretold

Ans 2: Radical cleavage: In this cleavage the planes of cleavage are symmetrical to the polar axis and produce tiers of cells on top of each other, The fate of each blastomere is not foretold.

Q5. Differentiate between schizocoelous and enterocoelous coelome.

Ans 1: Schizocoelous coelom: Coelom found due to splitting of mesoderm is called Schizocoelous coelome.

Ans 2: Enterocoelous coelome: Coelome formed due to as out pouching of archenteron is called Enterocoelous coelome.

Q6. Give two example of sponge.

Ans 1: Sycon, Leucosolenia, Spongila.

Q7. What are fundamental features of insects?

Ans 1: Insects have joint legs, two pairs of wings and three pairs of legs and body is segmented which is divided into three parts called head, thorax and abdomen.

Q8. 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.

Q9. Differentiate between protostome and deuterostome.

Ans 1: Protostome : Cleavage of the zygote is spiral or determinate.
Mesoderm is derived from cells on lips of blastopore.

Ans 2: Deuterostome: Cleavage is radical and indeterminate.
Mesoderm is derived from wall of the developing gut.

Q10. What are triploblastic animals?

Ans 1: Triploblastic animals are included in phyla which have been placed in grade bilateria, The body of these animals is made from three layers ectoderm, mesoderm and endoderm.
