Biology - FSC Part 1 Biology English Medium Chapter 9 Preparation

Q1. Write down botanical name of peanuts and sweet pea.

Ans 1: Arachis hypogaea is botanical name of peanus and that of sweet pea is Pisum sativum

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Q2. In what ways sporophyte of bryophytes and tracheophytes are different>

Ans 1: Sporophyte of bryophytes : It is not differentiated into root,stem and leaves.
It produces all spores of same kind.It is dependent on gametophyte.

Ans 2: Sporophyte of tracheophytes: It is differentiated into root,stem and leaves,
It produce two types of spores i.e it shows heterospory.It is independent generation in tracheophytes.

Q3. What is rhizome?

Ans 1: It is a type of underground stem which is branched and grows horizontally.It is covered with brown hairs called ramenta.

Q4. What is prothallus?

Ans 1: It is gametophyte of ferns which is not true thallus.It bears female and male reproductive organs of ferns.

Q5. How mosses differs from liveworth in development?

Ans 1: Mosses: Spores of mosses develop into alga like structure the proteome,the buds on which develop into male or female haploid gametophytes.

Ans 2: Liverworts: Spores of liverworts develop directly into male or female haploid gametophytes.

Q6. Define ovule and embryo sac.

Ans 1: Ovule is indehiscent megasporangium.

Ans 2: The single healthy megaspore retained within the megasporangium germinated to form an egg containing female and gametophyte called embryo sac.

Q7. Define paraphysis.

Ans 1: Paraphysis are sterile hairs found among the reproductive organs of bryophytes for their protection.

Q8. Define circinate vernation.Which plant group does show this feature?

Ans 1: When frond is immature and young it is coiled;this pattern of development is called circinate vernation.This is characteristics of group fern.

Q9. What are arthrophytes?Give example.

Ans 1: Plants are belonging to group sphenopsida are also called arthophystes because the whole plant body is composed of large number of joints.

Q10. Why Anthoceropsida are more advanced than other bryophytes?

Ans 1:

1. Sporophyte of Anthoceros has stomata to obtain carbon dioxide for photosynthesis.
2. Sporophyte contains chlorophyll so it is not dependent on gametophyte.