

## Biology - FSC Part 1 Biology English Medium Chapter 9 Preparation

Q1. 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.

Q2. Differentiate between microphylls and megaphylls.

**Ans 1:** Microphylls : The leaves which bear microsporangia on their surface are called microphylls.

**Ans 2:** Megaphylls: The leaves which bear megasporangia on their surface are called megasporophylls.

Q3. Give botanical name of two plants belongs to family solanaceae.

**Ans 1:** Lycopersium esculentu and Solanum nigrum

Q4. Differentiate between leaf venation and circinate vernation.

**Ans 1:** Leaf venation: Arrangements of veins and veinlets in the lamina of leaf is called leaf venation.

**Ans 2:** Circinate vernation: Leaves of ferns are called fronds, When the frond is immature and young, it is coiled this pattern of development is called circinate vernation.

Q5. Give the medicinal importance of Acacia nilotica.

**Ans 1:** Tender leaves of Acacia nilotica are used as blood purifier.

Q6. Give the medicinal importance of Bambosa.

**Ans 1:** Bamboo leaves are given to horses as a cure of cough and cold etc.

Q7. Differentiate between homosporous and heterosporous. Give example .

**Ans 1:** Homosporous : Process of formation of spores of same kind is called homosporous. e.g Lycopodium

**Ans 2:** Heterospory : Heterospory means production of spores of two different kinds i.e microspores and megaspores e.g Selaginella.

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Q8. Give four example of gymnosperms from your book.

**Ans 1:** Cycas, Pinus, Thuja and Cedrus.

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Q9. Differentiate between Floret and Spikelet.

**Ans 1:** The whole lemma, palea and flower is called floret.

**Ans 2:** The dry spike which has two or three sessile flowers is called spikelet.

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Q10. Name living and extinct representative of psilopsida.

**Ans 1:** Extinct members of Psilopsida are Horneophyton, Psilophyton, Cooksonia. There are only two living genera of psilopsida Psilotum and Tmesipteris.

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