

Model answer Taxonomy Exam.

Answer the following:....

1) Compare Between :...

a) Dry and, Fleshy fruits.

Dry fruits: the pericarp is dry and not differentiated to its normal three layers.

Fleshy fruits :they are also known as succulent fruits.the pericarp is fleshy,usually differentiated into three distinct layers, epicarp, mesocarp and endocarp.

b) Seed and, fruit.

The fruits can be easily differentiated from the seed. The fruit possesses two scars, one at the apex marking remains of the style and other at the base where the ovary had been attached to the receptacle. The seed possesses only one point of attachment vizm, the hilum.

c) Male and, Female gamete.

Male gamete: are formed inside the pollen grain

Femel gamete :this is formed inside the embryo-sac of the ovule

2) Write on :...

a) Legnth of the stamens

the stamens either tetadyamous in this type, the stamens are six in number, of which two are short and four long-didynamous: In this case three are four stamens of which two are long and two short

b) Function of the Calyx.

1-protection:protect the essential organs of the flower from mechanical injury,sunshine rain and from drying out.

2-photosynthesis: being the calyx is green in colour , it can help in manufacture of simple carbohydrates during the photosynthesis process.

3-dispersal of fruits and defensive.