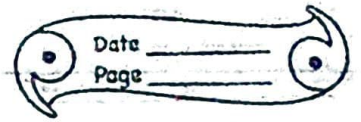


16/9/22

HOME ASSIGNMENT



Q) Distinguish between fertilization and pollination. Mention the site and product of fertilization in flower.

Ans) Fertilization

Pollination

* It is the fusion of male and female sex cells in which zygote is formed.

* It is the process in which the pollen grains from the anthers are transferred to the stigma of a flower of the same species.

* It occurs after pollination.

* It takes place before fertilization.

* It can either be internal or external process.

* It is an external process.

* External factors are ^{not reqd.} External factors are reqd.

* It is a physical process.

* It is a genetic & biochemical process.

The site of fertilization in a flowering plant is ovary. ~~in~~ The product of fertilization in flower is fruit ~~which~~ (ovary changes into fruit) seeds are formed (~~seeds~~ ^{ovules} change into seeds) ~~and~~ which give rise to new plant when it gets suitable conditions like sunlight, water, air etc. to grow and survive.

② Draw a neat, labelled diagram of a pistil showing pollen tube growth and its entry into the ovule.

