

Calculate the number of microsporangia in 50 bilobed anther

- a) 50 b) 100 c) 200 d) 300

The ploidy of microspore mother cell- microspores- pollen grains are sequentially which of the following ?

- a) Haploid- diploid- haploid
- b) Diploid- haploid- haploid
- c) Diploid-diploid-haploid

_____ represents male gametophyte

- a) Anther b) Pollen grain c) tapetum d) Microsporangium

The hard outer layer of pollen is called _____ and it is made of _____.

- a) Exine, sporopollenin
- b) Intine, cellulose
- c) Exine, lignin
- d) Intine, lignin

Pollen grains are well preserved as fossils because of the presence of _____

- a) Cellulose
- b) Starch
- c) Amylopectin
- d) Sporopollenin

Which of the following cells of pollen grain divides mitotically to form 2 male gametes?

- a) Vegetative cell b) Generative cell c) pollen tube d) exine

In which of the following crops do the pollen viability remain for 30 minutes of their release?

- a) In cereals such as rice and wheat
- b) In Rosaceae members
- c) In Leguminosae members
- d) In Solanaceae members

Pollen grains can be stored and used as pollen banks in crop breeding programmes, The temperature used for storing is _____

- a) -120 °C b) -135°C c) -166° C d) -196°C

When pistils are fused they are called _____

- a) Apocarpous b) Syncarpous c) Locule d) Monocarpellary

The number of ovules in the ovary of _____ is many

- a) Orchids b) wheat c) paddy d) mango

Both male and female flowers are present on the same plant such as _____

- a) Castor and maize b) papaya and date palm

Which of the following shows dioecy?

- a) Castor b) maize c) papaya