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 ^{0}C b) -135^{0}C c) -166° C d) -196^{0}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

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