## **Question Bank**

## Q1/ Define the following words? (marks) (Dioecious plant – Imperfect flower – Nyctinasty – Gametes – Tapetam – Micropyle) Q2/ Answer only twelve (12) of the following question? (marks) 1 - Explain the self-pollination and cross-pollination, and mention the advantage of crosspollination in generally? 2 - How genetic diversity help the plant? 3 - The evocation process involves a sequence of events, write the sequence? 4 - The maturation of the juvenile into the adult may be mediated by a variety of factors, including? 5 - What is the rolle of micropyle in the wall of the ovary female flower organs? 6 - What is tapetal cells provide to young microspore mother cells? 7 - The outer layer exine is thick and sculptured or smooth. It is cuticularised, why? 8 - Haw the pollinizer variety must be an effective? Q3/ Draw, with markers on the parts of the: 1 – Male sex cell (male gametes)? (marks) 2 – Pollen grain? (marks) Q4/ Fill in the blanks with correct words? (marks) 1 - The ..... and ..... of flowers often attract pollinators. Pollen will stick to a pollinator's body as it feeds on the flower's ...... 2 - ..... is the next step after pollination. 3 - The transition from the vegetative to reproductive buds is usually triggered by an

- 3 The transition from the vegetative to reproductive buds is usually triggered by an environmental signal, typically ........ or ........
- 4 Juvenile tissues are produced first, near the ..... of the plant. The ..... phase is usually stable and can be propagated from plant to plant.
- 5 ..... name given to the proposed flowering "hormone". There is little direct chemical evidence for its existence.
- 6 Plants must be able to set their oscillating timer to correspond to ...... change.
- 7 Vernalization of isolated embryos requires ...... and ...... suggests an energy-dependent process.

## Dr. Jihad Shareef Kader

Assist. Prof.