



**A JESUIT CHRISTIAN MINORITY INSTITUTION**  
**WORK SHEET – 06**

**Class: XII**

**Sub: Biological science**

**Date 16.05.2020**

**Topic: Sexual reproduction in flowering plants - part 2**

**Female reproductive structure**

**F.M. : 15**

**Choose the correct option:**

**(1x15=15)**

- The following is not a part of structure of the pistil :-  
a) Anther b) Filament c) Stigma d) Ovary
- The ovary which is formed by the fusion of carpels is called :-  
a) Apocarpous ovary b) Syncarpous ovary c) both syncarpous and apocarpous ovary d) None of these
- The part of the pistil which acts as the receptive site for pollination :-  
a) Style b) Ovary c) Stigma d) None of these
- The other name for ovule is :-  
a) Ovary b) Megasporium c) Embryo sac d) Seed
- The stalk of the ovule is called:-  
a) Funicle b) Hilum c) Placenta d) Pedicel
- The protective envelopes of ovule are called :-  
a) Hilum b) Chalaza c) Integuments d) Micropyle
- The function of nucellus:-  
a) Protection b) Food reserve c) Shock absorber d) All of these
- The process of formation of megaspores from megaspore mother cell :-  
a) Megasporogenesis b) Microsporogenesis c) Parthenogenesis d) All of these
- Meiosis of Megaspore Mother cells results in the formation of 4 \_\_\_\_\_.  
a) Microspores b) Egg c) Embryo sac d) Megaspores
- What is the fate of four megaspores formed?  
a) All four remains functional b) 2 remains functional and 2 degenerate  
c) One megaspore degenerate and 3 remains functional d) 3 Megaspores degenerates and one remains functional
- The functional megaspore undergoes \_\_\_\_\_ Mitotic divisions to form 8-nucleate embryo sac.  
a) Two b) Four c) Three d) No division
- The egg apparatus consists of :-  
a) Two eggs b) One egg c) One egg one synergid d) Two synergids and one one egg
- The cells found at the chalazal end are called :-  
a) Antipodal cells b) Synergids c) Egg apparatus d) Polar nuclei

14. The two polar nuclei fuse to form :-  
a) Antipodal cells b) Secondary nucleus c) Egg d) None of these
15. Filiform apparatus is a characteristic feature of :-  
a) Zygote b) Suspensor c) Egg d) Synergid

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