



## 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)**

1. The following is not a part of structure of the pistil :-  
a) Anther b) Filament c) Stigma d) Ovary
2. 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
3. The part of the pistil which acts as the receptive site for pollination :-  
a) Style b) Ovary c) Stigma d) None of these
4. The other name for ovule is :-  
a) Ovary b) Megasporium c) Embryo sac d) Seed
5. The stalk of the ovule is called:-  
a) Funicle b) Hilum c) Placenta d) Pedicel
6. The protective envelopes of ovule are called :-  
a) Hilum b) Chalaza c) Integuments d) Micropyle
7. The function of nucellus:-  
a) Protection b) Food reserve c) Shock absorber d) All of these
8. The process of formation of megaspores from megaspore mother cell :-  
a) Megasporogenesis b) Microsporogenesis c) Parthenogenesis d) All of these
9. Meiosis of Megaspore Mother cells results in the formation of 4 \_\_\_\_\_.  
a) Microspores b) Egg c) Embryo sac d) Megaspores
10. 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
11. The functional megaspore undergoes \_\_\_\_\_ Mitotic divisions to form 8-nucleate embryo sac.  
a) Two b) Four c) Three d) No division
12. The egg apparatus consists of :-  
a) Two eggs b) One egg c) One egg one synergid d) Two synergids and one one egg
13. 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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