



**ST. LAWRENCE HIGH SCHOOL**



**A JESUIT CHRISTIAN MINORITY INSTITUTION**

**WORK SHEET – 06 (sol)**

**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

**Answer : Filament (b)**

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

**Answer : Syncarpous ovary (b)**

3. The part of the pistil which acts as the site for pollination :-

- a) Style b) Ovary c) Stigma d) None of these

**Answer : Stigma (c)**

4. The other name for ovule is :-

- a) Ovary b) Megasporium c) Embryo sac d) Seed

**Answer : Megasporium (b)**

5. The stalk of the ovule is called:-

- a) Funicle b) Hilum c) Placenta d) Pedicel

**Answer : Funicle (a)**

6. The protective envelopes of ovule is called :-

- a) Hilum b) Chalaza c) Integuments d) Micropyle

**Answer : Integuments (c)**

7. The function of nucleus:-

- a) Protection b) Food reserve c) Shock absorber d) All of these

**Answer : Food reserve (b)**

8. The process of formation of megaspores from megaspore mother cell :-

- a) Megasporogenesis b) Microsporigenesis c) Parthenogenesis d) All of these

**Answer : Megasporogenesis (a)**

9. Meiosis of Megaspore Mother cells results in the formation of 4 \_\_\_\_\_.

- a) Microspores b) Egg c) Embryo sac d) Megaspores

**Answer : Megaspores (d)**

10. What is the fate of sac megaspores?

- a) All four remains functional b) 2 remains functional and 2 degenerate
- c) One megaspore degenerate and 3 remains functions d) 3 Megaspores degenerates and one remains functional

**Answer : 3 Megaspores degenerates and one remains functional (d)**

11. The functional megaspore undergoes \_\_\_\_\_ Mitotic divisions to form 8-nuclueate embryo sac.

- a) Two b) Four c) Three d) No division

**Answer : Three (c)**

12. The egg apparatus consists of :-

- a) Two eggs b) One egg c) One egg one synergid d) Two synergids and one one egg

**Answer : Two synergids and one one egg (d)**

13. The cells found at the chalazal end are called :-

- a) Antipodal cells b) Synergids c) Egg apparatus d) Polar nuclei

**Answer : Antipodal cells(a)**

14. The two polar nuclei fuse to form :-

- a) Antipodal cells b) Secondary nucleus c) Egg d) None of these

**Answer : Secondary nucleus (b)**

15. Filiform apparatus is a characteristic feature of :-

- a) Zygote b) Suspensor c) Egg d) Synergids

**Answer : Synergids (d)**

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