



**ST. LAWRENCE HIGH SCHOOL**



**A JESUIT CHRISTIAN MINORITY INSTITUTION**

**WORK SHEET – 11**

**Class: XII**

**Sub: Biological science**

**Date: 11.06.2020**

**Topic: Sexual reproduction in flowering plants (part 7) Apomixis and Parthenogenesis**

**F.M. : 15**

**Choose the correct option:**

**(1x15=15)**

1. The phenomenon of asexual reproduction which mimics sexual reproduction :-  
a) Apoptosis b) Amphimixis c) Apomixis d) Apogenesis
2. The following is a type of Apomixis :-  
a) Apogamy b) Apospory c) Diplospory d) All of these
3. The formation of embryo sac takes place from synergids or antipodal cells in :-  
a) Apospory b) Apogamy c) Haploid parthenogenesis d) Diplospory
4. The embryo formed in apogamy is \_\_\_\_\_ nature.  
a) Diploid b) Diploid and sterile c) Haploid and fertile d) Haploid and sterile
5. The \_\_\_\_\_ is formed from any cell of the sporophyte is in apospory.  
a) Embryo sac b) Embryo c) Embryo sac and embryo both d) Sporangium
6. The formation of embryo from egg without the act of fertilization is called :-  
a) Haploid androgenesis b) Apospory c) Haploid parthenogenesis d) Apogamy
7. On the basis of occurrence apomixis is of the following types :-  
a) Recurrent b) Non-recurrent c) Sporophytic Budding d) All of these
8. The recurrent type of apomixis results in \_\_\_\_\_ of plants.  
a) Haploid and sterile b) Haploid and fertile c) Diploid and sterile d) Diploid and fertile
9. The phenomenon in which embryo sac develops from Megaspore mother cell without Meiosis :-  
a) Diplospory b) Apospory c) Apogamy d) Polyembryony
10. Embryo develops directly from nucellus or integuments :-  
a) Diplospory b) Apospory c) Apogamy d) Sporophytic Budding
11. Adventitious polyembryony takes place in :-  
a) Citrus b) Mango c) *Opuntia* d) All of these
12. The type of polyembryony where many eggs are fertilized to form embryos is \_\_\_\_\_.  
a) Adventive Polyembryony b) Cleavage polyembryony c) Simple polyembryony d) None of these

13. The type of polyembryony where the multiple embryos are formed due to splitting of the embryo in the initial phase of embryogenesis is called ..... polyembryony. :-  
a) Cleavage b) Adventive c) Sporophytic budding d) Simple
14. Cleavage polyembryony is common in :-  
a) Citrus b) Gymnosperms c) Mango d) Lilies
15. When pollen grain forms the embryo it is known as \_\_\_\_\_.  
a) Haploid culture b) Haploid parthenogenesis c) Haploid androgenesis d) Apospory

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