



# ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION



## WORK SHEET – 06

Class: XII

Sub: Biological science

Date: 12.07.2021

**Topic: Ch 2 (part 3) fertilization and Post Fertilization changes**

**F.M. : 15**

**Choose the correct option:**

**(1x15=15)**

1. What events take place when pollen grain is discharged on the stigma :-  
a) Pollen grain absorb water and swells up b) Pollen tube is produced c) Pollen grain secretes cutinase to digest cutin and make way d) All of these
2. The movement of pollen tube into the style is called \_\_\_\_\_ response.  
a) Chemotropic b) Chemonastic c) Chemotactic d) Chemical
3. The entry of the pollen tube is the micropylar route is called:-  
a) Porogamy b) Chalazogamyc) Mesogamyd) Homogamy
4. On entry of egg apparatus the \_\_\_\_\_ guides the pollen tube upto the egg.  
a) Antipodal cell b) Integuments c) Filiform apparatus of synergids d) The egg itself
5. The fusion of second gamete with ..... is called triple fusion:-  
a) Secondary nucleus b) Polar nucleus c) Synergids d) Antipodal cells
6. The Double fertilization includes :-  
a) Syngamy b) Triple fusion c) Fusion of synergid and male gameted) Syngamy and triple fusion
7. The endosperm is \_\_\_\_\_ in nature.  
a) Haploid b) Diploid c) Triploid d) Polyploid
8. The liquid syncytium is the other name for :-  
a) Endosperm of Maize b) Cellular endosperm of *Cassia* c) Nuclear endosperm of coconut d) Nuclear endosperm of *Arachis*
9. The type endosperm where cell division is not followed by immediate cell wall formation :-  
a) Helobial b) Nuclear c) Cellular d) All of these
10. The cotyledon of the monocot is called :-  
a) Coleoptile b) Coleorhiza c) Scutellum d) Perisperm
11. The shoot apex is protected by a sheath like structure :-  
a) Scutellum b) Coleorhiza c) Epiblast d) Coleoptile
12. The cells of quadrant stage are the derivatives of :-  
a) Apical cell b) Basal cell c) Both (a) and (b) d) None of these

13. The suspensor in a dicot embryo is around \_\_\_\_\_ celled long.  
a) 2 to 3 b) 3 to 4 c) 6 to 8 d) 20
14. The plumule, hypocotyls and radicle arises from the region between the 2 cotyledons during \_\_\_\_\_ stage.  
a) Globular b) caudate stage c) Linear stage d) All of these
15. The octant stage of embryo consists of \_\_\_\_\_ cells.  
a) Four b) Eight c) Numerous d) Two  
b)

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