



ST. LAWRENCE HIGH SCHOOL



A JESUIT CHRISTIAN MINORITY INSTITUTION

WORK SHEET – 08

Class: XII

Sub: Biological science

Date: 08.06.2020

Topic: Sexual reproduction in flowering plants (part 4) fertilization and endosperm formation

F.M. : 15

Choose the correct option:

(1x15=15)

1. When pollen grain is diploid on the stigma it consists of following :-
a) Pollen nucleus b) Generative nucleus c) Tube nucleus d) Generative and tube nucleus
2. 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
3. The movement of pollen tube into the style is called _____ response.
a) Chemotropic b) Chemonastic c) Chemotactic d) Chemical
4. The pollen tube may enter the ovule from the following route :-
a) Micropyle b) Chalaza c) Integuments d) All of these
5. The entry of the pollen tube is the micropylar route is called:-
a) Porogamy b) Chalazogamy c) Mesogamy d) Homogamy
6. 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
7. The total number of gametes produced after the generative nucleus divides :-
a) One b) Two c) Three d) Four
8. The fusion of male gamete with egg is called:-
a) Porogamy b) Syngamy c) Fertilization d) Both (b) and (c)
9. The fusion of second gamete with is called triple fusion:-
a) Secondary nucleus b) Polar nucleus c) Synergids d) Antipodal cells
10. The Double fertilization includes :-
a) Syngamy b) Triple fusion c) Fusion of synergid and male gamete d) Syngamy and triple fusion
11. The example of endospermic seeds are/is :-
a) Beans b) Maize c) Peas d) All of these
12. The endosperm is _____ in nature.
a) Haploid b) Diploid c) Triploid d) Polyploid

13. The following is not a type of endosperm.
a) Cellular b) Nuclear c) Helobial d) Suspensor
14. 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*
15. The type endosperm where cell division is not followed by immediate cell wall formation :-
a) Helobial b) Nuclear c) Cellular d) All of these

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