



ST. LAWRENCE HIGH SCHOOL



A JESUIT CHRISTIAN MINORITY INSTITUTION

WORK SHEET – 09

Class: XII

Sub: Biological Science

Date: 09.06.2020

Topic: Sexual Reproduction in flowering plants (Part 5)
Development of Embryo

F.M. : 15

Choose the correct option:

(1x15=15)

1. The embryo is formed from :-
a) Primary endosperm nucleus b) Zygote c) Secondary nucleus d) Egg
2. The development of mature embryo from diploid zygote is called :-
a) Embryology b) Embryo rescue c) Embryogenesis d) All of these
3. The number of cotyledons in the dicotyledonous plants are :-
a) One b) Two c) Three d) Multiple
4. The development stages in monocots and dicots are similar upto _____ stage.
a) Quadrant b) Tetrad c) Globular d) Caudate
5. The first division in the development of dicot embryo is :-
a) Perpendicular b) Longitudinal c) Vertical d) Transverse
6. The 2-celled proembryo is close to the _____ end.
a) Micropylar b) Chalazal c) Lateral d) Peripheral
7. The proembryo of dicots acquires an inverted T shape during _____ stage.
a) Octant b) Globular c) Caudate d) Quadrant
8. The distal most cell of the suspensor contiguous with the spherical distal part of proembryo functions as :-
a) Hypophysis b) Haustoria c) Radicle d) Plumule
9. The plumule and radicle give rise to :-
a) Shoot b) Root system c) Root and shoot respectively d) Shoot and root respectively
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

Shaista Ahmed