



ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION



Sub: Biological Sciences

Class: XI Date: 18.07.2020

Plant Kingdom: Angiosperms (Part-I) F.M:15

WORKSHEET – 25(Answers)

(1x15=15)

- i) In the roots of the angiosperms, the vascular bundles are-
(1) Radial (2) Exarch (3) **Both (1) and (2)** (4) Endarch
- ii) Pollination in angiosperms take place with the help of
(1) Air (2) Water (3) Birds (4) **All of these**
- iii) In which of the following organisms, archegonia is not formed in female gametophyte?
(1) *Riccia* (2) *Dryopteris* (3) ***Hibiscus*** (4) *Marchantia*
- iv) The ploidy level of the endosperm in angiosperms is
(1) Diploid (2) Haploid (3) Tetraploid (4) **Triploid**
- v) In *Arabidopsis thaliana*, seeds are -
(1) **Endospermic** (2) Non-endospermic (3) Both (1) and (2) (4) Absent
- vi) In angiosperms, microsporophylls are modified to
(1) **Stamen** (2) Carpel (3) Anther (4) Filament
- vii) Which of the following parts of pollen gives rise to the male gamete?
(1) Exine (2) Intine (3) Vegetative cell (4) **Generative cell**
- viii) The number of megaspores that mature are/is
(1) **One** (2) Two (3) Three (4) Four
- ix) Angiosperms generally do not have
(1) Companion cells (2) Xylem vessels (3) Tap roots (4) **Strobili**
- x) In angiosperms, the functional megaspores develop into-
(1) Ovule (2) **Embryo sac** (3) Pollen sac (4) Endosperm
- xi) Male gametophyte with least number of cells is present
(1) *Pinus* (2) *Pteris* (3) *Funaria* (4) ***Lilium***
- xii) Angiosperms differ from gymnosperms in having-
(1) Large vessels (2) Seeds (3) **Covered seeds** (4) Tap roots
- xiii) Largest ovules, trees and gametes are found in-
(1) Dicots (2) Monocots (3) Both (1) and (2) (4) **Gymnosperms**
- xiv) Which structure is found in angiosperms but not in gymnosperms?
(1) Stigma (2) **Pollen tube** (3) Ovule integument (4) Carpel
- xv) An advanced character of angiosperm -
(1) Double fertilization (2) Pollen tube (3) **Fruit formation** (4) None of them

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