



ST. LAWRENCE HIGH SCHOOL



A JESUIT CHRISTIAN MINORITY INSTITUTION

Sub: Life Science

Class: X

Date: 13.06.2020

CHAPTER: CONTINUITY OF LIFE

TOPIC: FERTILIZATION

WORKSHEET 36

Choose the correct option:

(1X15=15)

1. The embryo formed in a plant consists of
a. Radicle b. Plumule c. Cotyledons d. All of these
2. The chromosome number of the zygote formed after fertilization is
a. n b. $3n$ c. $2n$ d. Both a&b
3. The endosperm has the chromosome number as
a. n b. $3n$ c. $2n$ d. None of these
4. The opening through which the pollen tube usually enters the ovule is
a. Micropyle b. Chalaza c. Endosperm d. Nucellus
5. The pollen tube is formed by the
a. Generative cell b. Vegetative cell c. Micropyle d. Both a&b
6. Endosperm is formed by the fusion of one male gamete and
a. One polar nucleus b. Two polar nuclei c. Synergid d. none of these
7. The formation of the zygote is called
a. Triple fusion b. Syngamy c. pollination d. Double fertilization
8. The dormancy period is broken down by
a. Gibberellins b. Auxin c. Cytokinin d. both b&c
9. The growing embryo gets its nutrition from
a. Micropyle b. Chalaza c. Endosperm d. None of these
10. The period of dormancy depends upon
a. genetic makeup of plants b. external condition c. Thalamus d. Both a&b
11. Viability of seeds
a. prevent germination b. makes it useless c. Both a&b d. none of these
12. Seed dormancy is important because the seeds require
a. Time for development b. To experience favourable condition
c. Both a&b d. none of these
13. The polar nuclei are present within
a. Ovule b. egg cell c. Synergids d. All of these
14. Which of the following is incorrect?
a. Ovule \longrightarrow Seed b. Ovary \longrightarrow Fruit c. Embryo \longrightarrow Zygote d. Radicle \longrightarrow Root
15. Which of the following shrivels and fall off in post fertilization phase?
a. Stamen b. Stigma c. Petal d. All of these

-Debjani Chakraborty