Board – ICSE	Class – 9	Topic – Pollination and Fertilization

1. Why fertilization in seed is called as double fertilization.

2. What is the function of pollen tube? Explain it with the help of a diagram

3. Explain the structure of ovule with the help of diagram.

4. Write the adaptations in wind pollinated plant.

5. Write the benefits of artificial pollination.

6. Explain shortly how a flower in a plant prevents self-fertilization.

7. Differentiate the following terms:

(a) Autogamy and Geitonogamy.

(b) Self-pollination and Cross- pollination

c) Wind pollinated flower and Insect pollinated flower

(d) Exine and Integuments

8. Answer the following statement in one word.

(a) Structure through which pollen grains enter into ovule.

(b) Transfer of pollen grain from anthers to stigma

(c) Flower containing both male and female ports

(d) When the maturation time of reproductive parts in a flower is different.

9. Define the following terms ?

(a) Pollen grain

(b) Allogamy

(c) Herkogamy

(d) Integuments

(e) Ornithophil

10. Match the following table:

Column A	Column B
Ovary	Seed
Placenta	Endosperm
Secondary Nucleus	Embryo
Egg cell & Synergids	Fruit
Ovule	Stalk of seed

11. Explain the change in floral parts after fertilization.

12. What is the function of endosperm?

13. Why is the formation of endosperm also known as 'Triple fusion'?

14. Explain the advantages and disadvantages of cross pollination

15. Explain how pollination occurs in aquatic plants.

16. Describe the following terms:

a. Ornithophily:
b. Protandry:
c. Heterostyly:
d. Cleistogamy
e. Anemophilous

17. Describe the process of pollination in sweet pea.

18. Give the difference between following terms.

(a) Herkogamy and Dichogamy (b) Pollination and Pollen germination

19. Describe advantages and disadvantages of self – pollination.

20. Explain pollen germination with the help of diagram.