

# TN Board Class 11 Bio- Botany

## Important Questions

1. Monosaccharides are called 'reducing sugars' but disaccharides are not. Why?
2. Name the two phases of cell cycle which lasts for longest and shortest span of hours.
3. Write a specific feature about the membrane of mitochondria
4. Give two examples of secondary metabolites used as drugs.
5. 'Bryophytes need water for fertilization' – Justify the statement.
6. Write any three distinguishing features between accessory and reproductive organs of flowers.
7. Explain the regions of positively geotropic part of the plant
8. Compare the three classes of algae on the basis of the following parameters
  - (a) Major pigment
  - (b) Stored food
  - (c) Number of flagella and their position of insertion
9. At the end of a cell division, a cell produces four cells. Identify the type of cell division and mention its significance in evolution.
10. Identify the family of the plant *Pisum Sativum*. Write the diagnostic features based on
  - (a) Calyx
  - (b) Corolla
  - (c) Androecium
  - (d) Gynoecium
  - (e) Fruit
11. Explain different types of Placentation with diagram.
12. Explain Dihybrid cross with checker board.
13. Explain the potato osmoscope. Experiment with diagram.
14. Write short notes on deforestation
15. Explain the Ultra structure of Chloroplast.