

Board – CBSE

Class – 11

Chapter – Morphology of Flowering plants

1. Which parts in ginger and potato are edible?
2. Define internodes and nodes.
3. Name the two plants, belonging to the Solanaceae family, which are used as medicines.
4. What is Venation?
5. What type of venation occurs in bananas?
6. Differentiate between stem tendrils and thorns.
7. Draw a labelled diagram of a dicot seed.
8. Describe the axile placentation with the help of an example.
9. Describe various stem modifications associated with food storage, climbing and protection.
10. What is a compound leaf? Explain its two types with the help of examples and diagrams.
11. Explain with a diagram the placentation found in pea and mustard.
12. Write the floral characters of fabaceae.
13. Differentiate between:
  - (a) Actinomorphic flower and Zygomorphic flower
  - (b) Apocarpous ovary and Syncarpous ovary
  - (c) Racemose inflorescence and Cymes inflorescence
14. What is the family of Aloe? Why is it important?
15. Explain why maize grain is called as a fruit and not a seed?
16. Explain why sunflower is not considered as a flower?
17. Draw the floral formula & floral diagram of family solanaceae.
18. How do the roots of the plants growing in swamps and marshes obtain their oxygen?
19. Which symbols are used to represent the following in a floral formula?
  - (a) Inferior ovary
  - (b) Calyx
  - (c) Male
  - (d) Zygomorphic flower
  - (e) Perianth
  - (f) Gynoecium
20. Write any 10 symbols and what they stand for, used in a floral formula.
21. Distinguish between families Solanaceae, Liliaceae and Fabaceae on the basis of gynoecium characteristics. Also write about the economic importance of any one of the

above families.

22. Differentiate between the hypogeal germination and epigeal germination.
23. Ginger grows underground like any other root. Then why is it considered a stem and not root?
24. Differentiate between the roots of aquatic plants and terrestrial plants.
25. Name the floral parts of an angiosperm. Also, mention their arrangements.
26. Which two roots develop from different parts of the angiosperm plant other than the radicle?
27. Name some modifications of plant parts for the purpose of photosynthesis.
28. Differentiate between Tuber & Bulb.
29. Differentiate between pinnately compound leaf and palmately compound leaf?
30. (a) Give the reproductive unit in angiosperms.  
(b) What is perianth? Give two examples.  
(c) Differentiate between radial and bilateral symmetry.