

**Anekant Education Society's  
TULJARAM CHATURCHAND COLLEGE OF ARTS, SCIENCE AND COMMERCE,  
BARAMATI  
(AUTONOMOUS)  
Question Bank  
F. Y. B. Sc. Botany  
BOT 1201 Angiosperm Morphology**

**One sentence questions:**

1. Write any two names of root modification.
2. What is Naphiform roots?
3. What is Conical roots?
4. What is rhizome?
5. What is two mains types of roots?
6. Enlist the types of leaf.
7. Enlist the modification of stem.
8. Enlist the types of inflorescence.
9. Define racemose inflorescence.
10. What is cymose inflorescence?
11. Give example of Solitary inflorescence.
12. Give example of umbel inflorescence.
13. Give example of Catkin inflorescence.
14. Give any one name of special type of inflorescence.
15. Give the example of hypanthodium type of inflorescence.
16. Give name of parts of typical flower.
17. What is complete flower?
18. What is incomplete flower?
19. What is perianth?
20. Define aestivation.
21. What is papilionaceous corolla?
22. What is syngenesious stamens?

23. What is monadelphous stamens?
24. Give any two examples of simple fruit.
25. Give any two examples of dry fruit.
26. What is achene.
27. What is cypsela?
28. Give any one example of fleshy fruit.
29. What is aggregate fruit?
30. What is multiple fruits?
31. What is Sorosis?
32. Give any one example of sorosis.
33. What is placentation?
34. Give any two types of placentation.
35. Give any one example of flower in which perianth is present.
36. Define anatomy.
37. Give any two functions of meristematic tissues.
38. Give any one function of xylem tissues.
39. Give any one function of phloem tissues.
40. Give any one function of epidermal tissues.
41. Give any one function of mechanical tissues.
42. Mention the any one name of mechanical tissue.
43. Give any two importance of plant anatomy.

**Short notes:**

1. Epiphytic roots.
2. Parasitic roots
3. Rhizomes
4. Tuber
5. Bulb

6. Corm
7. Stolon
8. Phylloclade
9. Sucker
10. Pappus calyx
11. Papilionaceous corolla
12. Monadelphous stamens
13. Parietal placentation
14. Types of capsule fruit
15. Sorosis fruit
16. Syconus fruit
17. Drupe
18. Hesperidium
19. Types of fruits
20. Racemose inflorescence
21. Cymose inflorescence
22. Hypanthodium inflorescence
23. Meristematic tissues
24. Functions of meristematic tissues
25. Functions of vascular tissues
26. Structure of typical stomata
27. Mechanical tissues
28. Vascular tissues
29. Types of placentation
30. Forms of corolla
31. Types of flower
32. Modification of roots

33. Modifications of stems

34. Modifications of leaf

**Short answer questions:**

1. Describe the various underground modifications of stem
2. What is sub aerial modification of stem? Describe its types with suitable examples.
3. Explain any two modification of stem for storage of food.
4. Explain any two types of underground modification of stem.
5. What is sub aerial modification of stem? Describe any two types with examples.
6. Describe various types of racemose inflorescence.
7. Describe various types of cymose inflorescence.
8. Explain the significance of inflorescence.
9. Describe the parts of typical flower.
10. Describe the insertion of floral whorls on thalamus.
11. Describe the modification of calyx.
12. Describe different forms of corolla.
13. What is placentation? Write on any two types of placentation.
14. Give general classification of fruits.
15. Define simple fruit and add a note on their classification.
16. Describe various type of fleshy fruits.
17. What is aggregate fruit? Describe any one type.
18. What is multiple fruits? Explain with suitable example.
19. Describe the functions of meristematic tissues.
20. What is vascular tissue? Give its components.
21. Describe the types of vascular bundles.
22. Describe the structure of typical stoma.
23. Give the types of trichomes with suitable examples.

24. What is mechanical tissue? Give its examples

25. Draw well labeled diagrams of: i) Typical Stomata ii) internal morphology of root dicot. iii) internal morphology of root Monocot iv) internal morphology of leaf of Monocot v) internal morphology of leaf of Dicot vi) internal morphology of stem of Dicot vii) internal morphology of stem of Monocot

**Long answer questions:**

1. What is sub aerial modification of stem? Describe its types with suitable examples.
2. What is modifications of stem? Describe the various underground modifications of stem.
3. Describe the modification of roots with suitable examples.
4. Describe various types of racemose inflorescence.
5. Describe the modification of calyx.
6. Describe different forms of corolla.
7. What is simple fruit and add a note on their classification.
8. Describe the types of vascular bundles.
9. What is meristematic tissues? Describe the functions of meristematic tissues.
10. Explain modification of root and stem for storage of food.
11. What is aggregate fruit? Describe its type.
12. Describe the structure of typical stomata.
13. What is mechanical tissue? Describe with examples.
14. Give general classification of fruits with examples.
15. Describe various types of racemose inflorescence.
16. Explain modifications of stem for storage of food.
17. Explain underground modification of stem with examples.
18. Describe various types of cymose inflorescence.
19. Write on fixation of anthers with diagrams.
20. Write on cohesion and adhesion of anthers.

21. Explain special types of inflorescence with suitable examples.
22. Describe the types of vascular bundles.
23. What is vascular tissue? Write on its components.
24. What is anatomy? Give importance of anatomy.
25. Describe anatomy of monocot and dicot stem with sketches.
26. Describe anatomy of monocot and dicot leaf with sketches.

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