1. Write the objectives of classification of plants.

2. What is binomial nomenclature?

3. Define tautonym. Give an example.

4. What is author citation? Give an example.

5. What is called nomen ambiguum?

6. What is type specimen?

7. What is polypetalae?

8. Write short notes on monochlamydeae?

9. Write any three merits of Bentham and hookers classification of plants.

10. What is epicalyx?

11. What is cladode? Give an example.

12. What are different types of inflorescences seen in euphorbiaceae? Give example for each.

13. What is atropine?

14. Name the alkaloids found in tobacco.

15. Write the binomials of any three medicinally useful plants in solanaceae

16. What is polygamous?

17. What is monocarpic perennial?

18. What is pseudostem? Give an example.

19. What is called callose?

20. What are called trichoblast?

21. What is a meristamatic tissue?

22. Differentiate angular collenchyma from lacunate collenchyma

23. Differentiate sclereids from fibres.

24. What are brachy sclereids?

25. What are surface fibres?
25 what are called caspian strips?
26 What are called passage cells?
27 What is an eustele?
28 what is a protoxylem lacuna?
29 What is dorsiventral leaf?
30 What is isobilateral leaf?
31 Differentiate palisade parenchyma and spongy parenchyma.
32 Draw and label the parts of a structure of chromosome
33 Draw and label the parts of a special types of chromosomes
34 Draw and label the parts of a structure of tRNA.
35 Define recombinant DNA.
36 Name the enzymes involved in the making of a DNA hybrid
37 Define splicing.
38 What are restriction endonuclease?
39 Give the binomials of atleast two dicot transgenic plants
40 Write a note on totipotency?
41 Define scp.
42 What is PEG?
43 What is photolysis of water?
44 State the conditions under which cyclic photo phosphorelation occurs.
45 Write the overall equation of photosynthesis?
46 Write any three difference between photo respiration and dark respiration.
47 Define chemosynthesis.
48 Why are chloroplasts in C4 plants called dimorphic chloroplast?
49 The respiratory quotient for anaerobic respiration is infinity. Give reasons.
50 Define bolting.

51 What is growth inhibitors?

52 What is apical dominance?

53 Write short notes about humulin?

54 What is heterosis?