



**B.Sc. V Semester (CBCS) Degree Examination, March/April - 2022**  
**BOTANY - V**

**Paper No. 5.1 - Morphology, Taxonomy and Economic Botany**

Maximum Marks : 70

Time : 3 Hours

**Instructions :** (i) Answer **all** the questions.  
(ii) Draw the diagrams wherever necessary.

15x1=15

I. Answer the following.

1. What is staminode ?
2. Expand ICBN.
3. What is Gynobasic style ?
4. What are pnematophores ?
5. What is systematic Botany ?
6. Define the term phyllode.
7. What are Carpophore ?
8. What are Botanical Gardens ?
9. What is Venation ?
10. What is Androphore and Gynophore ?
11. Write the Botanical name of cotton.
12. Define Seed.
13. What is perianth ?



14. What is Legume or Pod ?

15. What is tendril ?

5x5=25

II. Answer **any five** of the following.

16. What is stipule ? Explain the kinds of stipule.

17. What is aestivation ? Explain the different kinds of aestivation.

18. Write the salient features of the family Malvaceae.

19. Describe the underground modification of stem with suitable diagram.

20. Write the floral formula and floral diagram of the family papilionaceae.

21. Write the Botanical name, family and economic importance of the following :  
(a) Ground nut (b) Clove (c) Mustard

22. Explain the structure of seed.

3x10=30

III. Answer **any three** of the following.

23. Describe the salient features of family Liliaceae, giving any four economic importance of plants.

24. Briefly outline the Bentham and Hooker system of classification add a note on their merits and demerits.

25. What is fruit ? Explain the different types of fleshy fruits with suitable diagram.

26. Assign the following plants to their respective families giving their Botanical name add a note on their economic importance.

(a) Coffee (b) Ragi (c) Tulsi (d) Castor

27. What is cohesion of stamens ? Explain the different types of cohesion with suitable diagram and example.

28. What is placentation ? Explain the different kinds of placentation with suitable diagram and example.

