



**GN-244**

V Semester B.Sc. Examination, December - 2019  
(CBCS) (F+R) (2016-17 and Onwards)

**BOTANY - V**  
**Taxonomy and Economic Botany**

Time : 3 Hours

Max. Marks : 70

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

**PART - A**

- A.** Explain/Define **any ten** of the following in **two** or **three** sentences. **10x2=20**
1. What are Staminodes ? Give example.
  2. Define Monochasial cyme.
  3. What is Effective and Valid Publication ?
  4. Define Isotype.
  5. What is Binomial Nomenclature ?
  6. Mention any two salient features of family Lamiaceae.
  7. What is capsule ? Give an example.
  8. Distinguish between actinomorphic and zygomorphic flower.
  9. Define Synandrous condition. Give example.
  10. Mention two sources of Paper and Pulp.
  11. Define tendril. Give example.
  12. Name any two medicinal uses of Periwinkle.

**P.T.O.**

**PART - B**

4x5=20

**B.** Write critical notes on **any four** of the following :

13. Describe the nature of inflorescence in Arecaceae.
14. Write the important distinguishing features of any two of the following and refer to their families :
  - (i) Resupination
  - (ii) Stylopodium
  - (iii) Tetrodynamous-stamens
15. Give the Botanical name, family, part used and uses of sugarcane and coir.
16. Chemotaxonomy.
17. Key characters of Asclepiadaceae.
18. Species Concept.

**PART - C**

**C.** Give a comprehensive account of **any three** of the following :

3x10=30

19. Give a comparative account of families Rutaceae and Rosaceae.
20. Write the salient features of the family Musaceae.
21. Give a note on any two beverages and timber yielding plants.
22. Describe Field and Herbarium techniques.
23. Point out the salient features of Bentham and Hooker's system of classification. Mention its merits and demerits.

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