



**24501**

**Fifth Semester B.Sc. Degree Examination, November/December 2016**  
**BOTANY – V (New Syllabus)**  
**Paper 5.1 – Morphology, Taxonomy & Economic Botany**

Time : 3 Hours

Max. Marks : 80

I. Answer the following.

(15×1=15)

- 1) What is velamen tissue ?
- 2) What is gynobasic style ?
- 3) Name the family having Monodelphous stamens.
- 4) What are the stipules ?
- 5) What is the Botanical name of Mustard ?
- 6) What is the Nomenclature ?
- 7) Expand ICBN.
- 8) What is an inflorescence ?
- 9) Name the family having bilipped corolla.
- 10) What are the schizocarpic fruits ?
- 11) What is Phylogenetic system of classification ?
- 12) Write the Botanical name of Sugarcane.
- 13) What is dichlamydeous flower ?
- 14) What is Taxonomy ?
- 15) What is the Botanical name of the Custard apple ?

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

(5×5=25)

- 16) Write the floral diagram and floral formula of the family Cruciferae.
- 17) What is phyllotaxy ? Explain the different types with suitable example.

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- 18) Give the salient features of the family Papilionaceae. Mention any two plants and give their economic importance.
- 19) Write short notes on Principles of International Code of Botanical Nomenclature.
- 20) Assign the following plants to respective families; Write their Botanical names. Give their economic importance.
  - a) Rubber
  - b) Cinchona
- 21) What is cohesion of stamens ? Explain the different types with suitable examples.
- 22) Write the Botanical names of any five medicinal plants and give their uses.

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

**(4×10=40)**

- 23) Give an illustrated taxonomic account of family Labiatae, write the Botanical names of three plants belonging to the family and point out the economic importance.
  - 24) Define root. Explain any three type of adventitious root modification for storage.
  - 25) What is natural system of classification ? Briefly outline the Bentham and Hookers system of classification.
  - 26) Describe the salient features of the family Palmae. Mention the any three economic important plants of this family.
  - 27) Define stem and explain different types of aerial stem modification.
  - 28) What is placentation ? Describe types with neat labelled diagram.
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