

V Semester B.Sc. Examination, Nov./Dec. 2016
(CBCS) (2016-17 and Onwards) (Freshers)
BOTANY (Paper – V)
Taxonomy and Economic Botany

Time : 3 Hours

Max. Marks : 70

- Instructions :** 1) Answer **all** Parts.
2) **Draw diagrams wherever necessary.**

PART – A

A. Explain/Define **any ten** of the following in **two** or **three** sentences : (10×2=20)

- 1) What is Herbarium ?
- 2) What is paratype ?
- 3) What is natural system of classification ?
- 4) What is binomial nomenclature ? Who proposed it ?
- 5) Define compound umbel. Give an example.
- 6) What is tetradynamous condition ? Give an example.
- 7) What is labellum ? Give an example.
- 8) Differentiate legume with follicle.
- 9) Mention the botanical names of two aromatic plants.
- 10) What is parietal placentation ? Give an example.
- 11) What is syngenesious condition ? Give an example.
- 12) Differentiate between heterogamous and homogamous "Head".

PART – B

B. Write critical notes on **any four** of the following : (4×5=20)

- 13) Salient features of Engler and Prantl system of classification.
- 14) Key characters of Family-Rubiaceae.
- 15) Botanical name, family, part used and uses of sesamum and asafoetida.
- 16) Ethnobotany.
- 17) Orchid flower.
- 18) Computer application in systematics.



PART - C

- C. Give a comprehensive account on **any three** of the following : (3×10=30)
- 19) Aim and principles of ICBN.
 - 20) Give a comparative account of the families Acanthaceae and Lamiaceae.
 - 21) Salient features of the family-Arecaceae.
 - 22) Give an account of any five spice yielding plants.
 - 23) Write the characters of the family-Rosaceae and add a note on any two economically important plants.

BMSCW