



SN - 371

V Semester B.Sc. Examination, November/December 2017
(NS 2013-14 and Onwards) (Repeaters - Prior to 16-17)

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. Answer **any seven** of the following :

(7×2=14)

- 1) What is Cruciform corolla ? Give an example.
- 2) Define natural system of classification.
- 3) Mention botanical name, family, part used and uses of Sugarcane.
- 4) What is Gynobasic style ? Give an example.
- 5) What is herbarium ?
- 6) What is Pepo ? Give an example.
- 7) Define Resupination.
- 8) Any two key characters of Musaceae.
- 9) What is axile and parietal placentation ? Give an example.

PART - B

B. Describe/Explain **any six** of the following :

(6×4=24)

- 10) Chemotaxonomy.
- 11) Botanical survey of India and its functions.
- 12) Give an account of Beverages.
- 13) Key characters of Capparidaceae.

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- 14) Cyathium inflorescence.
- 15) Papilionaceous Corolla.
- 16) Any two Schizocarpic fruits.
- 17) Valid and effective publications.

PART - C

C. Answer **any four** of the following :

(8x4=32)

- 18) Describe the Engler and Prantl system of classification with merits and demerits.
- 19) Describe the salient features of family Asclepiadaceae.
- 20) Mention botanical name, family, part used and uses of two spices and oil yielding plants.
- 21) Describe the salient features of family Poaceae.
- 22) Explain verticillaster and head inflorescence.
- 23) Give an account of any two botanical gardens and their importance.

B.M.S.C.W