



M 26057

Reg. No. :

Name :

Third Semester M.A./M.Sc./M.Com. Degree (Reg./Sup./Imp.)
Examination, November 2014
BOTANY
Paper-B – VIII : Angiosperm Taxonomy and Morphology

Time : 3 Hours

Max. Marks : 80

Instruction : Draw diagrams wherever necessary.

- I. Answer **any two** of the following : (2×10=20)
- 1) Give an account of the concepts explaining the origin of angiosperms.
 - 2) Explain how palynology can be used as a taxonomic evidence.
 - 3) Give an account of the family magnoliaceae. Add a note on its economic importance.
 - 4) Give an account of the major botanical gardens. Add a note on the role of botanical gardens in taxonomic research.
- II. Answer **any one** of the following : (1×10=10)
- 5) Write on the salient features and major provisions of ICBN.
 - 6) Explain the role of floral anatomy in interpreting the origin and evolution of flower.
- III. Answer **any four** of the following : (4×5=20)
- 7) Foliar origin of Carpel
 - 8) Monographs
 - 9) Construction of keys
 - 10) Ecology as taxonomic evidence
 - 11) Give the diagnostic characters of
 - a) Melastomaceae
 - b) Commelinaceae.
 - 12) Linnaeus system of classification.

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M 26057



IV. Answer **any six** of the following :

(6×3=18)

- 13) Artificial system
- 14) Names of hybrids
- 15) Androecium in Lauraceae
- 16) Parasitic angiosperms
- 17) Corona
- 18) Adansonian principles
- 19) Ex-situ conservation
- 20) Economic importance of Rosaceae.

V. Answer **any six** of the following :

(6×2=12)

- 21) Aestivation
- 22) Pollinia
- 23) Anther dehiscence
- 24) Pseudostem
- 25) Spur
- 26) Placentation
- 27) Spadix
- 28) Gaspard Baulin.