

AE-770

M.Sc. (Previous)
Term End Examination, 2016-17

BOTANY

Paper - III

Taxonomy and Diversity of Seed
Plants Gymnosperms

Time : Three Hours] [Maximum Marks : 100
[Minimum Pass Marks : 36

Note : Answer **four** questions in all selecting **two** questions from each Section. All questions carry equal marks. Draw well labelled diagram wherever necessary.

Section-A

1. Give an illustrated account of Cycadeoidalean flora and its phylogenetic significance.
2. Write a descriptive account on evolution of gymnosperms.
3. Describe in detail about the angiospermic features shown by the members of Gnetopsida.

(2)

Section-B

4. Present a descriptive note on salient features of International Code of Botanical Nomenclature emphasizing validity of a nomenclature, rules of priority and citation of authority.
5. Write an account on Phytochemistry as a tool of taxonomy.
6. Write short notes on any **three** of the following :
 - (a) Hot spots and Hottest hot spots
 - (b) Centres of Origin
 - (c) Biosystematics
 - (d) Speciation
 - (e) Phytogeography