



13MY 44 – IV (32)

B.Sc. IV Semester Degree Examination, May 2013

BOTANY

**Paper – IV : Taxonomy of Angiosperms
Economic Botany, Plant Genetic Resource Management**

Time : 3 Hours

Max. Marks : 80

- Instructions :** 1) Questions of Part – I is **compulsory**.
2) Answer **any eight** questions of Part – II.

PART – I

1. Answer the following in brief : **(8×2=16)**
- 1) Mention any wild life sanctuaries and its two principles of conservation.
 - 2) Write any four salient features of Linnaeus system of classification.
 - 3) Explain Flower of Asclpidaceae.
 - 4) Narrate about gene bank.
 - 5) Mention any four botanical names of medicinal plants.
 - 6) Write the family, botanical names of Cinnamomum.
 - 7) Write distinguish characters of solanaceae.
 - 8) What is labellum ? Mention the family.

PART – II

2. Answer **any eight** of the following : **(8×8=64)**
- 9) Describe the family myretaceae and write three economic importance of any three plants with botanical names and uses.
 - 10) Distinguish between sub family papilionaceae and mimoseae.
 - 11) Explain Amaranthaceae and write any three economic important plants with botanical names and uses.
 - 12) Narrate general features of Astraceae with three economic important plants botanical names and uses.
 - 13) Describe family Liliaceae with three economic important plants, botanical names and uses.
 - 14) What are fibers ? Mention fiber yielding plants and botanical names, family and parts used with uses.

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- 15) Explain the principles and rules of International Code of Botanical Nomenclature (ICBN).
- 16) Assign the following plants to their families with botanical names and parts used and uses.
 - a) Cardamum
 - b) Beet root
 - c) Tea
 - d) Mentha.
- 17) Describe verbinaceae with three economical important plants, uses parts used with botanical names.
- 18) Explain general features and merits and demerits of Angler and Prantle system of classification.
- 19) Write **any two** the following : (2×4=8)
 - a) Dominance of angiosperms
 - b) Rubiaceae
 - c) Poaceae.
- 20) Write **two** of the following : (2×4=8)
 - a) Cryopreservation
 - b) Biosphere reserves
 - c) Merits and demerits of Bentham and Hooker classification.

----- PART II -----

(8×8=64)

P.T.O.