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B.Sc. IV Semester Degree Examination, May/June 2017
BOTANY

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

Time :3 Hours

Max Marks : 80

- Instructions :** 1) Question of Part – I is **compulsory**.
2) Answer **ten** questions from Part – II.
3) Diagram will enhance the value of answer.

I. Answer the following :

(2×8=16)

- 1) What is binomial nomenclature ?
- 2) What is natural classification system ? Who proposed it ?
- 3) What is gene bank ?
- 4) Write botanical name family parts used and uses of Bitter gourd.
- 5) Explain the gynoecium of apocynaceae.
- 6) What is scape ? Give example.
- 7) What is ex-situ conservation ?
- 8) What are primitive angiosperms ? Give any two example.

II. Answer **any four** of the following questions :

(4×4=16)

- 9) What are national parks ? Mention any four national parks of India.
- 10) Write the distinguish characters of sub family casalpinaceae.
- 11) Mention the botanical name, family parts used and uses of the following plants coffea, tea.
- 12) What are narcotic plants ? Explain the examples with botanical names family parts used and uses.
- 13) Write about international code of botanical nomenclature principles and rules.
- 14) Write the characters of angiosperms.

P.T.O.



III. Answer **any six** of the following questions :

(8×6=48)

- 15) Write the salient features of family apiaceae giving any three examples with botanical name and uses.
- 16) Write the taxonomical characters of family amaranthaceae giving three examples with botanical names and uses.
- 17) Write the general characters of family rubiaceae. Giving three examples with botanical names and uses.
- 18) Write the salient features of family cannaceae with examples and botanical names and uses.
- 19) Assign the following plants to their respective family with botanical names and uses. (a) cabbage (b) eucalyptus (c) teak (d) Areca nut.
- 20) Explain about BSI aims and objectives.
- 21) What is in-situ conservation and explain biosphere reserve.
- 22) What are pulses ? Explain any four examples botanical names family parts used and uses.