Code No. : 02/204

Second Semester Examination, May 2019

M.Sc. BOTANY

Paper - II

TAXONOMY OF ANGIOSPERMS

Time : 3 Hrs.　　　　　　　　　　　　　　　　　　　　**Max. Marks : 80**

- Part A and B of each question in each unit consist of very short answer type questions which are to be answered in one or two sentences.
  Part C (Short answer type) of each question should be answered in 200-250 words.
- Part D (Long answer type) of each question should be answered within the word limit 400-450.

Unit - I

Q.1 A. What is herbarium?　　　　　　　　　　　　　　　**(2)**

Q.1 B. What is holotype?　　　　　　　　　　　　　　　**(2)**

Q.1 C. Discuss species concept.　　　　　　　　　　　　**(4)**

OR

Explain taxonomic hierarchy.

Q.1 D. Discuss the salient features of International code of Botanical nomenclature.　　　　　　　　　　　　　　　　　**(12)**

OR

Describe herbarium as taxonomic tool.

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Unit - II

Q.2 A. Define phylogenetic system.   **(2)**

Q.2 B. Give the name of the book of Bentham and Hooker.   **(2)**

Q.2 C. Give an outline classification of Takhtajan.   **(4)**

OR

Describe the principles of Hutchinson.

Q.2 D. Write an account on cytology in relation to taxonomy.   **(12)**

OR

Describe the system of classification of angiosperms proposed by Bentham and Hooker.

Unit - III

Q.3 A. What is polypetalae? Give any two examples of families of polypetalae.   **(2)**

Q.3 B. Write Medicinal importance of family Ranunculaceae.   **(2)**

Q.3 C. "Magnoliacae is a primitive angiospermic family". Comment upon this.   **(4)**

OR

Discuss economic importance of family Rutaceae.

Q.3 D. Describe the family Meliaceae with its economic importance.   **(12)**

OR

Compare the families Myrtaceae and Lythraceae.

Unit - IV

Q.4 A. What is Gamopetalae? Give any two examples of the families belong to this.   **(2)**

Q.4 B. What is the new name of the family Compositae? Give two examples of the family.   **(2)**

Q.4 C. What is monochlamydae? Describe the inforesence of Euphorbiaceae.   **(4)**

OR

Compare floral characters of Lamiaceae and Verbenaceae.

Q.4 D. Describe the family Liliaceae with its economic importance.   **(12)**

OR

Describe the family Palmaceae with its economic importance.

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