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Y—61—2019

FACULTY OF SCIENCE

**B.Sc. (Third Year) (Sixth Semester) (Backlog) EXAMINATION
OCTOBER/NOVEMBER, 2019
(CBCS Pattern)**

BOTANY

Paper XV

(Systematic Botany—II)

(Friday, 18-10-2019)

Time : 10.00 a.m. to 12.00 noon

Time—2 Hours

Maximum Marks—40

N.B. :— (i) Attempt All questions.

(ii) All questions carry equal marks.

(iii) Draw neat and well-labelled diagrams wherever necessary.

1. Attempt any *four* of the following : 8
 - (a) Write floral formula of Rubiaceae.
 - (b) Draw floral diagram of prignoniaceae.
 - (c) Give botanical name and family of “Lemon”.
 - (d) Give systematic position of combretaceae.
 - (e) Define genus cover and species cover.
 - (f) Who proposed pteridosperm theory ?
2. Attempt any *two* of the following : 8
 - (a) Describe floral characters of acanthaceae.
 - (b) Give economic importance of Mimosaceae.
 - (c) Give economic importance of Myrtaceae.
3. Attempt any *one* of the following : 8
 - (a) Describe family verbenaceae with floral forumula and floral diagram.
 - (b) Describe family papaveraceae with floral formula and floral diagram.

P.T.O.

4. Attempt any *two* of the following : 8
- (a) Write a short note on the use of plant identification keys.
 - (b) Comment on importance of Herbarium.
 - (c) Discuss time of origin of Angiosperms.
5. Attempt any *one* of the following : 8
- (a) Describe in detail about Botanical Gardens. Write a note on importance of Botanical Garden in Plant Taxonomy.
 - (b) Describe in detail Gnetalean theory.