

This question paper contains **2** printed pages]

V—58—2017

FACULTY OF SCIENCE

B.Sc. (Third Year) (Fifth Semester) EXAMINATION

OCTOBER/NOVEMBER, 2017

BOTANY

Paper XIII

(Systematic Botany—I)

(Friday, 10-11-2017)

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. Describe Hutchinson's system of classification of flowering plants. Add a note on its merits and demerits.

Or

Write short notes on :

- (a) Artificial classifications
 - (b) Merits and demerits of Engler and Prantl's system.
2. Describe role of phytochemistry in relation to Taxonomy.

Or

Write short notes on :

- (a) Morphological concept of Species
 - (b) Typification in ICBN.
3. Write the technique of plant preservation. Add a note on importance of Herbarium.

P.T.O.

Or

Write short notes on :

- (a) Punched-Kard Keys
- (b) Importance of Botanical Gardens.

4. Describe family Papaveraceae with floral formula and floral diagram.

Or

Write short notes on :

- (a) Economic importance of Myrtaceae
- (b) Floral characters of Capparidaceae.

5. Write short notes on any *four* of the following :

- (a) Bentham and Hooker's system was published in which book ?
- (b) Scope of taxonomy
- (c) Define palynology
- (d) Define dichotomous keys
- (e) Tendrils in Cucurbitaceae
- (f) Fruit type of Citrus.