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W—54—2018

FACULTY OF SCIENCE

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

OCTOBER/NOVEMBER, 2018

BOTANY

Paper XV

(Systematic Botany—II) (Opt—II)

(Monday, 15-10-2018)

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 diagram wherever necessary.

1. Describe family Asclepiadaceae with floral formulae and floral diagram. 8

Or

(a) Describe floral characters of Apocynaceae.

(b) Give an economic importance of Convolvulaceae.

2. Describe family Zingiberaceae with floral formulae and floral diagram. 8

Or

(a) Floral characters of Orchidaceae

(b) Economic importance of Musaceae.

3. Explain in detail morphology of Hibiscus pollen grain. 8

Or

(a) Give an importance of Palynology.

(b) Classify pollen grain on the basis of Number of Aperture.

4. Write in detail Bennettitalean theory. 8

Or

(a) Comment on limitations of Pteridosperm theory.

(b) Concept of primitive flower of Angiosperms.

P.T.O.

5. Write short notes on (any *four*) :

8

- (a) Systematic position of Nyctaginaceae
- (b) Floral diagram of Rubiaceae
- (c) Carpel of Commelinaceae
- (d) Floral formulae of Cyperaceae
- (e) Diagram of Datura pollen grain
- (f) Who proposed Gnetalean theory.