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Roll No.

Exam Code : J-21

Subject Code—53392

B. Sc. EXAMINATION

(Re-appear)

(Batch 2017)

(Fourth Semester)

BOTANY

Paper I

Biology and Diversity of Seed Plants–II

Time : 3 Hours

Maximum Marks : 40

Note : Attempt *Five* questions in all. Q. No. 1 is compulsory. Support your answer with neat and labelled diagrams wherever required.

(Compulsory Question)

1. Write short notes on the following : **8×1=8**

(a) Define the term systematics.

(1-12-8-0821) J-53392

P.T.O.

- (b) Who proposed binomial system of nomenclature ?
- (c) Name one botanical garden of India.
- (d) What do you mean by Indented Key ?
- (e) Which family of plants has characteristic papilionaceous flowers ?
- (f) What do you understand by bithecos anther ?
- (g) Define the term *receptacle*.
- (h) Write down botanical name of any *one* plant of family Brassicaceae.

Unit I

- 2. Discuss the role of taxometrics in relation to taxonomy. **8**
- 3. Write down explanatory notes on the following :
 - (a) Principle of priority
 - (b) Cyathium. **4+4**
- 4. What is Aestivation ? Discuss its types. **8**

J-53392

2

- 5. Why do scientists not use vernacular names ?
What are the advantages of modern system of nomenclature ? **8**

Unit II

- 6. Give a brief outline of classification proposed by Bentham and Hooker. **8**
- 7. Write down floral characteristics and economic importance of family Ranunculaceae. **8**
- 8. Discuss the distinguishing features any gynoecium of family Apiaceae. **8**
- 9. Write down notes on the following giving *one* example of the plant : **4+4**
 - (a) Cruciform corolla
 - (b) Cymose head.

(1-12-9-0821) J-53392

3

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