

Exam. Code : 103203

Subject Code : 8033

B.A./B.Sc. 3rd Semester (Old Syll. 2016)

BOTANY—III B

(Diversity of Seed Plants and their Systematics)

Time Allowed—3 Hours]

[Maximum Marks—35

Note :— Attempt **five** questions. Question 1 is compulsory.
Each question carries 7 marks.

1. Attempt **all** parts :

(a) Define petaloid condition.

(b) Write down the floral formula of family Poaceae.

(c) Give an example of a plant belonging to family Chenopodiaceae.

(d) Define taxonomic ranks.

(e) Define the term inflorescence.

(f) Differentiate between polysepalous and gamosepalous condition.

(g) Define axile placentation.

2. Write an account on classification of angiosperms.

3. Give a detailed account of family Brassicaceae.

4. What is the major contribution of cytology in taxonomy ?

5. Give a comparative account on Euphorbiaceae and Ranunculaceae.
6. Write down the salient features of family Rutaceae.
7. What are the characteristics of family Apiaceae ?
8. Describe the flower of family Apocynaceae. Draw VS and floral diagram.
9. Write a detailed account on family Lamiaceae.