

**Sr. No. 197**

**Exam.Code: 103203**  
**Subject Code : 9352**

**B.A./B.Sc. - 3rd Sem.(Old Syll.2016)**

**(2117)**

**Paper: Botany-III(B)**

**Diversity of Seed Plant & Their Systematics**

**Time allowed: 3 hrs.**

**Max. Marks: 35**

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

1. Attempt **all** parts:

- (a) What do you understand by principle of priority?
- (b) What do you understand by sepeloid condition.
- (c) What are angiosperms?
- (d) Write down the floral formula of family Fabaceae.
- (e) Give an example of a plant belonging to family Acanthaceae.
- (f) What is the fruit of family Orchidaceae?
- (g) What is a syncarpous gynoecium?

2. Give diagnostic characters of family Solanaceae.

3. Discuss in detail alpha-taxonomy, omega-taxonomy and holotaxonomy.

4. What are the salient features of family Asclepiadaceae?

5. Discuss the merits and demerits of Bentham and Hooker's system classification.

6. Give the salient features of family Apocynaceae.

7. Explain the role of taxometrics to taxonomy.

8. Write an account on family Liliaceae.

9. Give a comparative account on Rutaceae and Apiaceae.

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