

**Exam. Code : 103204**

**Subject Code : 1371**

**B.A./B.Sc. 4<sup>th</sup> Semester**

**BOTANY**

**Paper—IV B**

**(Diversity of Seed Plants and Their Systematics—II)**

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) What do you understand by principle of priority ?
  - (b) Define cytology.
  - (c) What are angiosperms ?
  - (d) Define alpha taxonomy.
  - (e) Give an example of a plant belonging to family Acanthaceae.
  - (f) Give the floral formula of family Apiaceae.
  - (g) Define phytochemistry.

2. Give diagnostic characters of family Solanaceae.
3. Discuss in detail 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 of Rutaceae and Apiaceae.