

Exam. Code : 103204

Subject Code : 1370

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

BOTANY

Paper—IV A

(Diversity of Seed Plants & Their Systematics—I)

Time Allowed—Three Hours] [Maximum Marks—35

**Note** :— Attempt FIVE questions. Question No. 1 is compulsory. Each question carries 7 marks.

1. Attempt all parts :—

- (a) What are angiosperms ?
- (b) What are seeds ?
- (c) What is cambium ?
- (d) Give scientific classification of *Pinus*.
- (e) Write one example of primitive angiosperm.
- (f) Give one identifying feature of gymnosperms.
- (g) What do you understand by secondary growth ?

2. Write a detailed account on evaluation of seed habit.

3. Write a note on living fossil.

4. Describe in detail the classification of gymnosperms.
5. Discuss the evolution and diversity of gymnosperms.
6. Write a detailed account on the process of fossilization.
7. Explain the anatomy of root of gymnosperms.
8. Describe the reproduction and life cycle of *Cycas*.
9. Discuss the reproduction in *Ephedra*.