

Exam. Code : 107402

Subject Code : 1838

B.Sc. (Biotechnology) 2nd Semester

BOTANY-B

Paper—BT-2

Time Allowed—3 Hours] [Maximum Marks—40

Note :— All questions carry equal marks. Candidates are required to attempt *five* questions selecting at least *one* from each section. The *fifth* question may be attempted from any Section.

SECTION—A

1. (a) Differentiate between artificial, natural and phylogenetic system of classification.
(b) Discuss the merits and demerits of Bentham and Hooker's system of classification.
2. (i) Differentiate between angiosperms and gymnosperms.
(ii) Discuss the general characteristics of Lichens.

SECTION—B

3. Give the important floral characters of the two families given below :
(i) Ranunculaceae
(ii) Cruciferae.
4. State the characteristic features of Compositeae with examples.

SECTION—C

5. Explain the general characteristics of family orchidaceae with example.
6. What is the criteria for the primitive and advanced nature of families ?

SECTION—D

7. What are the different classes of Seed ? State their importance w.r.t. seed production.
8. What is Seed certification ? Also state its importance.