

UG-358

BBOT-11

B.Sc. DEGREE EXAMINATION –
JUNE, 2019.

First Year

Botany

PLANT DIVERSITY — I

Time : 3 hours

Maximum marks : 75

PART A — (5 × 5 = 25 marks)

Answer any FIVE questions.

1. Enumerate the general characteristics features of Algae.
2. Write the characters of chlorophyta with suitable example.
3. Give the outline classification of fungi by Ainsworth 1971.
4. Explain the structure of *Polytrichum*.
5. Discuss the structure and properties of bacterial cell wall.

6. Explain the structure of bacteria.
7. What is plant pathology? Mention the common diseases in plant crops.
8. Comment on plant disease management.

PART B — (5 × 10 = 50 marks)

Answer any FIVE questions.

9. Illustrate the diagrammatic life cycle of *Sargassum* and describe.
10. Write an essay about *Agaricus*.
11. Explain vegetative and asexual reproduction in fungi.
12. Describe the sexual reproduction in bryophytes.
13. Write notes on :
 - (a) Ecological importance of bryophytes.
 - (b) Lichens.
14. With neat diagram discuss the lysogenic life cycle of virus.
15. Write the symptoms, disease cycle and preventive measures of bunchy top of banana.
16. Give brief account on :
 - (a) Role of algae medicine and industries.
 - (b) Role of bacteria in food and sewage treatment.