

(i) Printed Pages: 2

Roll No.

(ii) Questions : 9 Sub. Code :

1	1	7	2	0
---	---	---	---	---

Exam. Code :

5	0	1	1
---	---	---	---

Bachelor of Science (FYUP) 1st Semester

(2124)

BOTANY

Paper : Plant Diversity-I BOTDSC1

Time Allowed : Three Hours]

[Maximum Marks : 60

Note :— Attempt five questions in all. Q. No. 1 is compulsory.

Select one question from each unit.

1. Short answer type questions :

- (i) Give the systematic position of *Volvox*.
- (ii) What is isomorphic alternation of generations ?
- (iii) What is the causal organism of Red Rot of sugarcane ?
- (iv) Name the 3 types of life cycles observed in the different species of *Saccharomyces*.
- (v) What are lichens ?
- (vi) Why are Bryophytes called as the amphibians of the plant kingdom ?
- (vii) What is the causal organism of Black Rust of Wheat ?
- (viii) What is a haplontic life cycle ?

1.5×8=12

UNIT—I

2. Write notes on :
- (i) Structure of coenobium of *Volvox*.
 - (ii) Sexual reproduction in *Batrachospermum*. 6,6
3. Explain in detail the economic importance of algae. 12

UNIT—II

4. Describe the life-cycle of *Albugo candida* in detail. 12
5. Write notes on :
- (i) Asexual reproduction in *Rhizopus*.
 - (ii) Vegetative reproduction in *Saccharomyces*. 6,6

UNIT—III

6. Write notes on :
- (i) Sexual reproduction in *Puccinia*.
 - (ii) Acervulus of *Colletotrichum*. 6,6
7. Give a general account of lichens and their significance. 12

UNIT—IV

8. Give an account on :
- (i) Sexual reproduction in *Anthoceros*.
 - (ii) Draw V.S. thallus of *Riccia*. 8,4
9. Describe the sexual reproduction in *Funaria*. 12