

Bachelor of Science (B.Sc.) Semester-I Examination
BOTANY

(Fungi, Lichen, Plant-Pathology & Bryophyta)

Compulsory Paper—II

Time—Three Hours]

[Maximum Marks—50

N.B. :— (1) All questions are compulsory and carry equal marks.

(2) Draw well labelled diagrams wherever necessary.

1. Write on :

(a) Asexual reproduction in *Albugo*.

(b) Sexual reproduction in *Mucor*. $5 \times 2 = 10$

OR

Write short notes on :

(c) Economic importance of Fungi.

(d) Asexual reproduction in *Mucor*.

(e) Sex organs in *Albugo*.

(f) Classification of fungi (outline only). $2.5 \times 4 = 10$

2. Write on :

(a) Symptoms of Tikka disease and asexual reproduction in *Cercospora*.

(b) Uredium and Telium in *Puccinia*. $5 \times 2 = 10$

OR

Write short notes on :

- (c) Economic Importance of Lichens
- (d) Types of Lichens
- (e) Aecial cup in *Puccinia*.
- (f) V.S. of Apothecium in Lichen (Diagram only). $2.5 \times 4 = 10$

3. Write on :

- (a) Red Rot of Sugarcane. $5 \times 2 = 10$
- (b) Citrus Canker.

OR

Write short notes on :

- (c) Proskauer's classification of Bryophyta
- (d) Alternation of generation in Bryophyta
- (e) Leaf curl of Papaya
- (f) Economic importance of Bryophyta. $2.5 \times 4 = 10$

4. Write on :

- (a) L.S. of *Marchantia* Sporophyte
- (b) L.S. of *Anthoceros* Sporophyte. $5 \times 2 = 10$

OR

Write Short notes on :

- (c) V.T.S. of *Marchantia* thallus (Diagram only)
- (d) L.S. of Antheridial branch of *Funaria*
- (e) Gemma Cup
- (f) L.S. of *Funaria* Sporophyte (Diagram only). $2.5 \times 4 = 10$

Write in **two** on **three** lines only on (any **Ten**) (Diagrams are not necessary) :

- (a) Disjuncter
- (b) Coenocytic
- (c) Haustorium
- (d) Basidiospore
- (e) Symbiotic Association
- (f) Pycnidium
- (g) Pathogen
- (h) Bryophytes as Amphibians
- (i) Rhizoids
- (j) Antheridiophore
- (k) Peristome
- (l) Calyptra.

$1 \times 10 = 10$