

B.Sc. I (With Credits)-Regular-Semester 2012 Sem I  
**BO-02 – Botany Paper – II**  
**(Diversity of Fungi, Lichens, Bryophytes and Plant Pathology)**

P. Pages : 2

Time : Three Hours



**GUG/W/16/3301**

Max. Marks : 50

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- Notes : 1. All questions are compulsory and carry equal marks.  
2. Draw well labelled diagrams wherever necessary.

1. Write in detail the Life history of Mucor. 10

**OR**

Write notes on :

a) Asexual reproduction in Penicillium. 5

b) Structure and reproduction in Cercospora. 5

2. Explain the structure of Funaria capsule. 10

**OR**

Write notes on :

a) Symptoms and control measure of Bacterial diseases. 5

b) Symptoms and management of Loose smut of wheat. 5

3. Write short notes on :

a) Characteristics of fungi. 2½

b) Economic importance of fungi. 2½

c) Internal structure of Riccia thallus (Dig. only). 2½

d) Control measures of viral disease. 2½

**OR**

e) T.S. through Albugo infected leaf (Diagram only). 2½

f) Economic importance of lichens. 2½

g) Internal structure of Anthoceros thallus (Dig. only). 2½

h) Control measure of fungal disease. 2½

4. Write short notes on :
- a) Asexual reproduction in Albugo. 2½
  - b) Types of Lichens. 2½
  - c) L.S. sporophyte of Riccia (Diagram only). 2½
  - d) Brown spot of Rice. 2½

**OR**

- e) Ainsworth (1971) classification of fungi (outline only). 2½
  - f) Uredia in Puccinia. 2½
  - g) L.S. sporophyte of Anthoceros (Dig. only). 2½
  - h) Bacterial blight of cotton. 2½
5. Write **any ten** of the following in one or two lines (Diagram are not necessary). **10**

- a) Mycology.
- b) White Rust.
- c) Ooplasm.
- d) Basidia.
- e) Soredium.
- f) Symbiotic relationship.
- g) Fragmentation.
- h) Rosette habit.
- i) Perichaetial leaf.
- j) Plant pathology.
- k) TMV.
- l) Red Rot.

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