

B.Sc. Semester - 3 (NEP-2020) Examination

OCT/NOV-2024

BOT: Mycology and Phyto Pathology (Major-5)

Time: 2:00 Hours

Marks: 50

Instructions:

1. All questions are compulsory.
2. Figures to the right indicate marks.

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- Que-1 Give the answer of following questions. (12)**
(A) Describe in detail: (Any one) (08)
1) Discuss the Thallus organization in Fungi.
2) Discuss the General characteristics of Fungi.
(B) Answer the following questions very shortly. (Any one) (04)
1) State the roles of fungi in Medicine field.
2) Give the cell wall compositions of fungi.
- Que-2 Give the answer of following questions. (13)**
(A) Describe in detail: (Any one) (09)
1) Describe in detail – Mycorrhizal association of Fungi.
2) Discuss the life cycle of *Rhizopus*
(B) Answer the following questions very shortly. (Any one) (04)
1) General characteristics of Ascomycetes group.
2) Give the classification of *Claviceps* with reasons.
- Que-3 Give the answer of following questions. (12)**
(A) Describe in detail: (Any one) (08)
1) Describe the life cycle of *Agaricus*.
2) Give morphological and anatomical features of Lichens.
(B) Answer the following questions very shortly. (Any one) (04)
1) Give the economic importance of Lichens.
2) Give the General characteristics of **Basidiomycete group**.
- Que-4 Give the answer of following questions. (13)**
(A) Describe in detail: (Any one) (09)
1) With reference to geographical distribution of fungi describe the Host-Pathogen relationships in fungi.
2) Describe the Citrus canker.
(B) Answer the following questions very shortly. (Any one) (04)
1) Write a short note on rust of crucifers.
2) Write a note on Black rust of wheat.
