BOTANY – HONOURS - 2016

Mycology and Phytopathology

Semester-II

Write any two assignments of the following. (500 words)

ASSIGNMENT:

1. Discuss the growth forms of lichens thallus and their reproductive structures.
2. Write the general characteristics and thallus organization of Fungi in living system.
3. Discuss the role of fungi in biotechnology for production in large scale pharmaceutical products.

INTERNAL ASSESSMENT **30 MARKS**

Answer any two from the following **Marks -5 each**

i. Describe with examples what are obligate parasite and facultative parasite.
ii. What is the difference between homothallism and heterothallism?
iii. Describe with examples the role of fungi in biotechnology.
iv. Write briefly vegetative reproduction of yeast.

Answer any two from the following. **Marks -10 each**

a. Give an account of symptoms, causal organism and control of late blight of potato.
b. Describe with sketch about development of sporangia in Mucor.
c. Give an illustrated account of methods of reproduction met in Lichens.
d. Describe the types of Mycotoxins and their effects on human health.

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BOTANY – HONOURS -2026

Archegoniate

Semester-II

Write any two assignments of the following. (500 words)

ASSIGNMENT:

1. Discuss in details the unifying features of archegoniates in living system.
2. Describe the range of thallus organization found in Bryophytes
3. Discuss how stelar organization evolutes in pteridophytes.

Answer any two from the following. **Marks -5 each**

i. Describe in brief the whole characteristic of archegoniates.

ii. Describe the economic importance of bryophytes.

iii. What is system of classification? Write about the units of classification.

Answer any two from the following. **Marks -10 each**

1) Describe the adaptive characters of Bryophytes to land habit.
2) Discuss with sketch diagram of dominant generation found in the bryophytes life.
3) Discuss the heterospory and seed habit found Pteridophytes.
4) Describe the structure of sex organs of Lycopodium. Draw the pattern of life cycle.

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