

**B.Sc. DEGREE EXAMINATION, NOVEMBER 2018**  
**I Year I Semester**  
**Core Major - Paper II**  
**MYCOLOGY, FUNGAL BIOTECHNOLOGY AND LICHENS**

**Time : 3 Hours**

**Max.marks :75**

**Section A** ( $10 \times 2 = 20$ ) Marks

Answer any **TEN** questions

1. Zoospores
2. Pycnidium
3. Uredospores
4. White Rust
5. Chlamydospores
6. Mildew
7. Basidiospores
8. Hexokinase
9. Spawn
10. Trichoderma
11. Photobiont
12. Endolithic lichens

**Section B** ( $5 \times 5 = 25$ ) Marks

Answer any **FIVE** questions

13. Bring out the salient features of Oomycetes.
14. Describe the structure of basidiocarp of *Agaricus*.
15. Write asexual reproduction in *Aspergillus*.
16. Give an account of sexual reproduction in *Peziza*.
17. Write short notes on Citric Acid Production by *Aspergillus niger*.
18. Describe the nutritional value of Oyster mushroom.
19. List out the economic importance of Lichens.

**Section C** ( $3 \times 10 = 30$ ) Marks

Answer any **THREE** questions

20. Explain the classification of fungi proposed by Alexopolus.
21. Describe the structure and reproduction of *Albugo*.
22. Discuss about the enzymes of microbes and its applications.
23. Elaborate the methods of Mushroom cultivation.
24. Explain the types and reproduction of Lichens.

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