

BA, BSC, B.COM DEGREE END SEMESTER EXAMINATION - MARCH 2026
UGP (HONS.) SEMESTER 4 : DISCIPLINE SPECIFIC COURSE
COURSE : 24UBOTDSC204 : MYCOLOGY AND PLANT PATHOGEN INTERACTION
(For Regular - 2024 Admission)

Time : 1.5 Hours

Max. Marks: 50

PART A

Answer any 5 (2 marks each)

1. What is planogametic copulation?
2. Differentiate facultative and obligate parasitic fungi.
3. Who proposed the gene for gene hypothesis of plant-pathogen interaction?
4. What is isidia?
5. Differentiate cleistothecia and apothecia.
6. Expand IARI.
7. What is soredia?

(2 x 5 = 10)

PART B

Answer any 5 (5 marks each)

8. Explain various functions and significance of mycorrhiza.
9. Write an account on hypoplastic and hyperplastic symptoms.
10. Write a brief note on the classification of lichens based on morphology.
11. With the help of suitable diagrams write an account on the sexual reproduction of *Albugo*.
12. Write an account on the significance of fungi in agriculture.
13. With the help of suitable diagrams write an account on apothecia.
14. Write a brief account on agents used in biological control.

(5 x 5 = 25)

PART C

Answer any 1 (15 marks each)

15. With the help of suitable labelled diagrams explain the life cycle of *Rhizopus*.
16. Discuss about the economic importance of fungi.

(15 x 1 = 15)