PG Odd Semester (CBCS) Exam., December—2018

MICROBIOLOGY

(1st Semester)

Course No. : MIBCC–102

(Mycology and Phycology)

Full Marks : 70
Pass Marks : 28

Time : 3 hours

The figures in the margin indicate full marks for the questions

Answer **five** questions, taking **one** from each Unit

UNIT—I

1. Write notes on history and development of mycology. Discuss the different levels of cell structure and cell differentiation occurring in Fungi. 14

2. Write a note on different modes of reproduction of slime molds with the help of a suitable diagram. 14

UNIT—II

3. Discuss the phenomena of heterothallism and heterokaryosis in fungi with the help of suitable diagrams. 14

4. Write short notes on any *two* of the following : 7×2=14

(a) Lichens

(b) VAM

(c) Homothallism

UNIT—III

5. Discuss the pathogenesis, symptoms and control measures of false smut of paddy. 14

6. Write short notes on the following : 7×2=14

(a) Mechanical and chemical barriers of fungal infection in plants

(b) Early blight and late blight of potato

UNIT—IV

7. Write short notes on the following : 7×2=14

(a) Systemic mycoses

(b) Yeast of medical importance

8. Write short notes on the following : 7×2=14

(a) Antifungal agent

(b) Superficial mycoses

UNIT—V

9. Write short notes on the following : 7×2=14

(a) Algal biotechnology

(b) Distribution of algae

10. Write short notes on the following : 7×2=14

(a) Thallus organization in algae

(b) Different modes of reproduction in algae

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