PG Odd Semester (CBCS) Exam., December—2016

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—1

1. With suitable diagram, write about the structure of fungal cell. Add a note on characteristic features of fungi. 10+4=14

2. With suitable diagram, discuss different modes of reproduction in Basidiomycetes. 14

UNIT—2

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

(a) Ecological aspects of Lichen

(b) Heterokaryosis

4. Discuss the phenomenon of heterothallism in fungi with the help of suitable diagram. 14

UNIT—3

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

(a) Concept of virulence

(b) Mechanical barriers of infection

6. Discuss pathogenesis, symptoms and control measures of late blight of potato. 14

UNIT—4

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

(a) Medical importance of yeast

(b) Dermatophytes

8. Add a note on mycotoxins. Discuss the mode of action of mycotoxins with examples. 6+8=14

UNIT—5

9. Discuss the range of thallus structure in algae with diagram and examples. 14

10. Write about characteristic features of Chlorophyta and Phaeophyta with example. With suitable diagram, describe different modes of reproduction in Phaeophyta. 4+4+6=14

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