

M.SC. (Microbiology) Second Semester OLD
MB2-T008 - Microbial Metabolites Paper-IV

P. Pages : 1

Time : Three Hours



GUG/W/18/2237

Max. Marks : 80

- Notes : 1. All questions are compulsory and carry equal marks.
2. Draw well labelled diagram wherever necessary.

1. Describe the synthesis of linear polyamines. 16

OR

Write note on.

- a) Synthesis of Cadoverine. 8
b) Structure and mode of action of Aflatoxin. 8

2. Describe the structure and mode of action of
a) Quinoline. 8
b) Fluconazole. 8

OR

Describe the mechanism of Antibiotic resistance. 16

3. Explain the defensive role of microbial pigments. 16

OR

Give general account of.

- a) Carotenoids. 8
b) Melanin. 8

4. Describe the structure and functions of Vit.-A and Vit.-C. 16

OR

Write note on.

- a) Biochemistry of Riboflavin. 8
b) Osteomalasia. 8

5. Write note on.
a) Mode of action of patulin. 4
b) Structure of Nitrofurantoin. 4
c) Bile pigment. 4
d) Glossitis. 4
