

[KD 521]

Sub. Code : 4023

SECOND M.B.B.S. DEGREE EXAMINATION.

(Common to all Regulations)

Part I

Paper III — MICROBIOLOGY — I

Time : Three hours Maximum : 100 marks
Two and a half hours Sec. A & Sec. B : 70 marks
for Sec. A & Sec. B Section C : 30 marks

Separate answer books must be used for
Sections A and B.

Section C must be answered separately on the answer
sheet provided as per the instructions on the first page.

Answer ALL questions.

SECTION A

1. Discuss the mechanisms of drug resistance in bacteria. (15)
2. Write briefly on : (4 × 5 = 20)
 - (a) Larva migrans.
 - (b) Hot air oven.
 - (c) Monoclonal antibody.
 - (d) Enrichment media.

SECTION B

3. Name the viviparous nematodes. Describe the life cycle and laboratory diagnosis of any one of them. Add a note on prevention and control of Bancroftian filariasis. (15)

4. Write briefly on : (4 × 5 = 20)
 - (a) Antibiotic sensitivity tests.
 - (b) Phenotypic variations in bacteria.
 - (c) Active immunity.
 - (d) Bacterial capsule.