

[MP 521]

Sub. Code : 4023

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

(New Regulations)

Part I

Paper III — MICROBIOLOGY — I

Time : Three hours

Maximum : 100 marks

Two and a half hours

Section A & B : 70 marks

or Section A and B

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

Section C must be answered separately on the
answer sheet provided.

Answer ALL the questions.

Draw diagrams wherever necessary.

SECTION A — (35 marks)

What are the important protozoal parasites found in the
food of man. Describe briefly the aetiology, pathogenesis and
laboratory diagnosis of malignant tertian malaria. (15)

Write notes on :

(4 × 5 = 20)

- (a) Cell mediated immunity
- (b) Sterilisation by autoclaving
- (c) Principle of monoclonal antibody production

SECTION B — (35 marks)

3. Describe the structure of the bacterial cell with particular
reference to the difference in structure between gram positive
and gram negative cells. List the antibiotics acting on the cell wall
of bacteria. (15)

4. Write notes on : (4 × 5 = 20)

- (a) *Trichomonas vaginalis*
- (b) Life cycle of *Ancylostoma duodenale*
- (c) *Cryptosporidium parvum*
- (d) *Cysticercus cellulosae*.