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[MP 521] Sub. Code : 4023

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 blood 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

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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.

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