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SECOND M.B.B.S. DEGREE EXAMINATION

Part I

(New Regulations)

Paper III - MICROBIOLOGY - I

(General Microbiology, Immunology and parasitology)

Time : Three hours — Maximum : 100 marks

Two and a half hours for Section A and B — Section A and B : 70 marks

Separate answer books must be used for Sections A and B

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

Answer ALL the questions

Draw diagrams wherever necessary

SECTION A - (2 x 15 = 30)

1. Enumerate the various growth requirements of bacteria. Describe their gaseous requirements.

2. Describe the life cycle of plasmodium falciparum. Indicate the morphological differences between the different plasmodia that infest human RBC.

SECTION B - (8 x 5 = 40)

3. Write short notes on:

(a) Tyndalisation

(b) Transmissable drug resistance

(c) Bacterial spore

(d) Selective media

(e) Microfilaria

(f) Applications of ELISA test

(g) Sporicidal chemicals

(h) T-Cell subsets

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