

SECOND M.B., B.S. EXAMINATION, DECEMBER 1990

Part I

Paper III — MICROBIOLOGY—I

(General Microbiology, Immunology and Parasitology)

Time : Three hours

Maximum : 90 mark

(i) Answer ALL the questions.

(ii) Sections A and B should be answered in separate answer-books.

(iii) Section C must be answered separately on the answer-sheet placed inside the question paper booklet as per the instructions given on the first page.

(iv) Draw diagrams wherever needed for answers in Sections A and B.

SECTION A

1. Describe the life cycle, pathogenicity and laboratory diagnosis of *Echinococcus granulosus*. (15 marks)

2. Define passive immunity. How does it differ from active immunity? Describe the various methods of acquiring active immunity with suitable examples. (15 marks)

SECTION B

Write short notes on :

(a) Adjuvants

(b) IgE

(c) Lymphokines

(d) Gaseous disinfectants

(e) Bacterial drug resistance

(f) Anaerobic culture methods. (6 × 5 = 30 marks)