

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)