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[KJ 521]

Sub. Code : 4023

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

(Common to all Regulations)

Part I

Paper III — MICROBIOLOGY — I

Time : Three hours Maximum : 100 marks

Theory : Two hours and forty minutes	Theory : 80 marks
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MCQ : Twenty minutes MCQ : 20 marks

Answer ALL questions.

Draw suitable diagrams wherever necessary.

I. Write Essay : (2 × 15 = 30)

(1) Give an account of various cells involved in immunity and describe their role in the functioning of immune system. (15)

(2) Enumerate the cestodes infecting man. Describe the life cycle, pathogenicity and laboratory diagnosis of *Echinococcus granulosus*. (15)

II. Write short notes on : (10 × 5 = 50)

- (a) Endospores
- (b) Gaseous method of sterilization
- (c) Differentiate between mutational and transferable drug resistance
- (d) Oncofetal antigens
- (e) Anaerobic media
- (f) Laboratory diagnosis of Kala azar
- (g) Microfilariae
- (h) Bile stained eggs
- (i) Trichomonas
- (j) Complement.