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P957

[3844]-202

II - M.B.B.S.

MICROBIOLOGY

Time : 3 Hours]

[Max. Marks : 100

Instructions to the candidates:

- 1) *All questions are compulsory.*
- 2) *Answers to the two sections to be written in separate answer sheets.*
- 3) *Figures to right indicate marks.*
- 4) *Draw diagrams wherever necessary.*

SECTION - I

- Q1)** Draw and describe bacterial cell and its structures. **[15]**
- Q2)** Write short notes on any two : **[10]**
- a) Louis Pasteur.
 - b) Autoclave.
 - c) Enriched media.
- Q3)** Classify Streptococci. Describe the laboratory diagnosis of lobar pneumonia. **[15]**
- Q4)** Write short notes on any two : **[10]**
- a) Coagulase test.
 - b) Mycobacterium leprae.
 - c) Widal test.

SECTION - II

- Q5)** Discuss morphology, life cycle, and pathogenesis and laboratory diagnosis of Entamoeba histolytica. **[15]**
- Q6)** Write short notes on any two : **[10]**
- a) Dermatophytes.
 - b) Candida albicans.
 - c) PBS in malaria.

P.T.O.

Q7) Enumerate antigen antibody reactions. Discuss applications of agglutination reactions. **[15]**

Q8) Write short notes on any two : **[10]**

- a) Innate immunity.
- b) Egg inoculation for viral growth.
- c) Influenza virus.



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