



KK-4009
Second Year M. B. B. S. Examination
December - 2012
Microbiology : Paper - I

Time : 2 Hours]

[Total Marks : 40

Instructions :

(¹)

Fillup strictly the details of „0- signs on your answer book. Name of the Examination : O⁻ S. Y. M.B.B.S. Name of the Subject : O⁻ Microbiology - 1 • Subject Code No. : 1-1 0 7 9 0-Section No. (1, 2, ...) : Nil

Seat No. :

771-10-17

Student's Signature

- (2) Figures to the right indicate full marks for the question.
- (3) Draw labelled diagram where necessary.

- 1 Write notes on : (any **two**) 8
 - (a) Write contributions of Robert Koch or Louis Pasteur in Microbiology.
 - (b) Describe different techniques of genetic transfer in a bacterial cell.
 - (c) Define Antigen, classify it and differentiate it from hapten.
- 2 Write notes on : (any **three**) 12
 - (a) ELISA tests and its importance in laboratory diagnosis.
 - (b) Write about importance of complement in various hypersensitivity reactions.
 - (c) Monoclonal antibodies.
 - (d) Sterilization by radiation.
- 3 Write notes on : (any **two**) 8
 - (a) Morphological features of Hemoflagellates
 - (b) Complications of *P.falciparum* infection.
 - (c) Life cycle of *Taenia saginata*.

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[Contd...

- 4 Write notes on : (any three) 12
- (a) Anaerobiosis
 - (b) Define immunity and write about classification of innate immunity
 - (c) Valances of immunoglobulin molecules
 - (d) Detection of Microfilarie.
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