

Total No. of printed Pages = 01

2014

MICROBIOLOGY

Full Marks: 40

Time: 1½ Hours

*The figures in the margin indicate full marks
for the questions.*

1. Essay type (any one) 10
 - i) Discuss pathogenicity and laboratory diagnosis of staphylococcus aureus.
 - ii) Discuss pathogenesis and pathogenicity of viral infection.

2. Short essay type (any four) 5×4
 - i) Type I hypersensitivity
 - ii) Structure of virus
 - iii) Various types of mycotoxin
 - iv) Bacterial growth curve
 - v) Non suppurative infection by streptococcus Pyogenes.

3. Short answer type : 2×5
 - i) What is antigen? Define hapten with a suitable example.
 - ii) What do you mean by passive immunity? Cite one example.
 - iii) Define sterilization and disinfection.
 - iv) What do you mean by antibiotic sensitivity test?
 - v) What is Quellung test? Write its significance.

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