

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.*

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| 1. Essay type (any one) | 10 |
| i) Discuss pathogenicity and laboratory diagnosis of staphylococcus aurens. | |
| 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. | |