

132-NR

M.D. DEGREE EXAMINATION – APRIL, 2014

MICROBIOLOGY

Paper-I : General Microbiology and Immunology

Time: 3 Hours

Max. Marks:100

Note: Answer all questions

All questions carry equal marks

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WRITE SHORT ESSAYS ON THE FOLLOWING:

1. T-cell subsets.
2. Gas-plasma sterilization.
3. Enumerate various bacteriocin typing methods of bacteria. Describe briefly pyocin typing methods in *Pseudomonas aeruginosa*.
4. Discuss the basic principles of Polymerase Chain Reaction.
5. Role of hospital environment surveillance in control of health care associated infections.
6. High end disinfectants.
7. Bacterial endotoxin structure and it's role in pathophysiology of disease.
8. Discuss chemokines and their role in health and disease.
9. Discuss various strategies developed by bacteria for evading the host immune response.
10. Discuss flexible genetic exchange systems in evolution of bacterial virulence.

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