

QP Code:101109

Reg.No.:.....

**PG Degree Examinations in Microbiology (MD) - June 2016**

**Paper I – General Microbiology and Immunology**

**Time: 3 hrs**

**Max marks:100**

- *Answer all questions*
- *Draw diagrams wherever necessary*

**Essays: (20)**

1. Classify various agents used in sterilization and discuss in detail the chemical methods of sterilization.

**Short essays: (8x10=80)**

2. Explain anaerobic methods of cultivation.
3. Factors predisposing to microbial pathogenicity.
4. How do you classify immunity against infectious diseases. Elaborate on active immunity.
5. Alternate pathway of complement and the quantification of complement and its components.
6. T cell maturation.
7. Enumerate the various theories of immune responses.
8. Enlist the various disorders of phagocytosis.
9. Define histocompatibility antigen. Describe the factors involved in allograft survival and rejection

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