

[LH 0415]

OCTOBER 2015

Sub. Code: 1252

**M.Sc., MEDICAL LABORATORY TECHNOLOGY**  
**(From 2013-2014 Batch onwards)**  
**FIRST YEAR**  
**PAPER II – GENERAL BACTERIOLOGY, IMMUNOLOGY AND**  
**PARASITOLOGY**

*Q.P. Code: 281252*

**Time: Three hours**

**Maximum: 100 marks**

**I. Elaborate on:**

**(2 x 20 = 40)**

1. Sterilization methods
2. Physical, mechanical barriers, genetic factors involved in Innate immunity.

**II. Write notes on:**

**(10 x 6 = 60)**

1. Principle and uses of Transmission electron microscope.
2. Cold Sterilization.
3. Functions of different types of plasmids.
4. Distinguish immediate and delayed hypersensitivity.
5. Mechanism of Phagocytosis.
6. Types of vaccines.
7. Any 2 antigen antibody reactions with example.
8. Helminths.
9. Properties of protozoa involved in production of disease.
10. Structural characteristics of Trematode.

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