

[LJ 0816]

AUGUST 2016

Sub.Code :5003

**B.Sc. MEDICAL LABORATORY TECHNOLOGY  
FIRST YEAR**

**PAPER III – GENERAL METHODOLOGY**

*Q.P. Code: 725003*

**Time: Three Hours**

**Maximum : 100 Marks**

**Answer All questions**

**I. Elaborate on:**

**(3 x 10 = 30)**

1. Describe the categories of waste and their disposal according to color code.
2. Explain about autoclave and its principle with neat diagram.
3. List out the safety and preventive measures to be observed in a laboratory and List the common laboratory accidents and its prevention

**II. Write notes on:**

**(8 x 5 = 40)**

1. Different route of blood collection.
2. Name the four staining methods used in a laboratory, explain in detail about gram stain.
3. Types of media used in bacteriology.
4. Differentiate dark field microscope with phase contrast microscope.
5. Types of flagella.
6. Anaerobic Culture Method.
7. What are the different filters used in the laboratory?
8. Describe the procedure for management of needle prick injury.

**III. Short answers on:**

**(10 x 3 = 30)**

1. Colorimeter.
2. Autoanalyser.
3. Two uses of Electron Microscope.
4. Name two disinfectant used in operation theater.
5. Steps in Hand washing procedure.
6. Hot Air Oven.
7. Name two water borne diseases.
8. Hepatitis B virus.
9. Uses of Fimbria.
10. ELISA.

\*\*\*\*\*