

**BV (1)/ML&MDT-1.3/16 (MC)**

**B.Voc First Semester (Medical Laboratory  
and Molecular Diagnostic Technology)  
Exam., 2016**

**MEDICAL LABORATORY TECHNICIAN**

Paper : S-1.3

**( Basic of Medical Laboratory Setup )**

Full Marks : 40

Time : 2 hours

*The figures in the margin indicate full marks  
for the questions*

1. Fill in the blanks : 1×5=5

(a) Normal fasting blood glucose level is

\_\_\_\_\_.

(b) EDTA stands for \_\_\_\_\_.

(c) The normal pH of blood is \_\_\_\_\_.

(d) The normal cholesterol level is \_\_\_\_\_.

(e) \_\_\_\_\_ is the killing of many, but not all  
microorganisms.

2. Answer the following questions : 2×5=10

(a) What is mordant? Mention the names of  
two common mordants.

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( Turn Over )

( 2 )

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- (b) Mention any two functions of a fixative.
  - (c) Differentiate between plasma and serum.
  - (d) What is pasteurization?
  - (e) Mention the different types of bio-hazardous waste.

3. Write short notes on any *three* of the following : 5×3=15

- (a) Classification of dyes.
- (b) Autoclave }
- (c) Good laboratory practices (GLPs) }
- (d) Laminar air flow }
- (e) Guidelines for handling the infectious waste

4. Answer any *one* of the following questions : 10

- (a) What is fixation? Mention the various factors that influence the chemical fixation.
- (b) What is sterilization? Write an essay on chemical and physical sterilization. }
- (c) Compare between the cell walls of Gram-positive and Gram-negative bacteria.

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