Exam Code: 1367 Sub. Code: 9397

#### 2123

# B. Voc. (Medical Lab Technology) First Semester

BMLT-104: Introduction to Laboratory Equipments

Time allowed: 3 Hours

Max. Marks: 40

NOTE: Attempt five questions in all, including Question No. I which is compulsory and selecting one question from each Unit.

X-X-X

- I. Give the answer of following questions in very brief:
  - a) Why water bath used in lab?
  - b) What is use of autoclave?
  - c) Calibration of measuring apparatus?
  - d) Where we must store the chemicals?
  - e) What is light microscope?
  - f) Dark field of microscopes in lab.
  - g) Write the application of electron microscope.
  - h) Why we use dark field microscope?

(8x1)

(4,4)

## UNIT - I

- II. a) What is the colorimeter? Write the structure and applications of colorimeter in the lab.
  - b) What is the hot air oven? Describe in brief the structure of hot air oven. (4,4)
- III. a) Write the names of four instruments which are used in biochemical analysis.
  - b) Describe common methods to clean laboratory equipments in labs.

### UNIT - II

- IV. a) What are the various methods to clean of machine in laboratory?
  - b) What are the major reasons which cause the errors in results in labs? (4,4)
- V. a) What are the different methods used to maintained and cleaning of glassware?
  - b) What are the calibration methods of instruments? (4,4)

# UNIT - III

- VI. a) What is principle of polarization microscope?
  - b) Write the working principle of phase contrast microscope.

(4,4)

P.T.O.

VII.	a) What is the UV light microscope? Write its various applications.	
	b) Write the only applications of polarizing microscope.	(4,4)
	<u>UNIT - IV</u>	
VIII.	a) What is microscopic examination of bacteria?	
	b) Describe the one museum technique.	(4, 4)
IX.	a) What is the Lab safety methods.	
	b) Describe in brief about the fluorescence microscope.	(4,4)