Total No. of Questions: [09] **Total No. of Printed Pages: [1]**

B.Sc. (MLS) (Semester – 1st)
MICROBIOLOGY
Subject Code: BMLS1103
Paper ID: [130503]

Time: 03 Hours **Maximum Marks: 60**

Instruction for candidates:

1. Section A is compulsory. It consists of 10 parts of two marks each.
2. Section B consist of 5 questions of 5 marks each. The student has to attempt any 4 questions out of it.
3. Section C consist of 3 questions of 10 marks each. The student has to attempt any 2 questions.

Section – A **(2 marks each)**

Q1. Attempt the following:
a) What is spare staining.
b) What is Antisepsis
c) Parts of Microscope
d) What is Louis Pasteur
e) Enlist the use of Hot air oven
f) Needles are discarded in which coloured bins
g) Define sterlisation
h) Bacterial spore
i) Name various filter methods of sterilization
j) Selective media

Section – B **(5 marks each)**

Q2. Write a note on contributions of Robert Koch and write about Koch's postulates
Q3. Define disinfectants and what are chemical disinfectants
Q4. Explain the principal & uses of Electron Microscopy
Q5. What is anerobiosis and write various methods of anaerobic cultures
Q6. Name different culture methods used for various bacteria

Section – C **(10 marks each)**

Q7. Write a note on Bacterial growth curve
Q8. What are the different methods of sterilization and write a note on autoclave
Q9. Elaborate recent Biomedical waste guidelines