

Roll No. 

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Total No. of Pages : 02

Total No. of Questions : 09

B.Sc.(MLS) (2018 Batch) (Sem.-1)

**GENERAL MICROBIOLOGY**

Subject Code : BMLS-102-18

M.Code : 75259

Time : 3 Hrs.

Max. Marks : 60

**INSTRUCTIONS TO CANDIDATES :**

1. SECTION-A is **COMPULSORY** consisting of **TEN** questions carrying **TWO** marks each.
2. SECTION-B contains **FIVE** questions carrying **FIVE** marks each and students have to attempt any **FOUR** questions.
3. SECTION-C contains **THREE** questions carrying **TEN** marks each and students have to attempt any **TWO** questions.

**SECTION-A****1. Answer briefly :**

- A) What is Ionizing Radiation?
- B) What are the difference between simple and compound microscope?
- C) How to take care of the glassware?
- D) What is Radioactivity?
- E) What is Biomedical Waste?
- F) Define Basal Media.
- G) What is Magnification Power?
- H) Define Sterilization.
- I) Define Prokaryotes.
- J) What is Pour plate technique?

### SECTION-B

2. Discuss various chemical methods of Sterilization.
3. Enlist the qualities of a good disinfection.
4. Describe the morphological classification of bacteria.
5. Enlist the contributions of Robert Koch to the field of microbiology.
6. Write in detail on glassware used in clinical microbiology lab.

### SECTION-C

7. Describe the principle of fluorescent microscope and explain in details about each part of the fluorescent microscope.
8. Define the term Autoclaving. Enumerate the various methods of sterilization employing moist heat.
9. What is bacterial growth curve? Enumerate and explain different phases of a bacterial growth curve.

**NOTE : Disclosure of identity by writing mobile number or making passing request on any page of Answer sheet will lead to UMC against the Student.**