

Roll No.

Total No. of Pages : 02

Total No. of Questions : 09

B.Sc.(MLS) (Sem.-1)
GENERAL MICROBIOLOGY

Subject Code : BMLS-102-18

M.Code : 75259

Date of Examination: 12-01-2023

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 :

- What is compound microscope?
- Define sterilization.
- What is growth curve?
- Write a short note on cleaning of glassware.
- What is culture media?
- Write a note on Koch's postulates.
- What are facultative anaerobes?
- Define pasteurization.
- Write **any two** uses of Autoclave.
- What is radioactivity?

SECTION-B

2. Describe about bacterial growth and bacterial metabolism.
3. Describe anaerobic culture methods.
4. Differentiate the disinfectant and sterilization with example.
5. Explain the principle and working mechanism of hot air oven.
6. What are the factors affecting the growth of bacteria.

SECTION-C

7. Describe the concept of bio medical waste management.
8. What is sterilization? Classify various methods of sterilization. Describe in detail about Autoclave.
9. Explain image formation in compound microscope with the help of suitable diagram.

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.