

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 : 01-06-2023

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. Write Briefly :

- a) What do you mean by medical microbiology?
- b) What is the role of glassware in clinical microbiology?
- c) Differentiate between bacteria and fungi.
- d) Elaborate the principle of radiation with concern to sterilization.
- e) What do you mean by enriched media?
- f) Define DGI.
- g) What do know about disinfectants?
- h) Justify the various qualities of good disinfectant.
- i) Give a comment on biomedical waste management.
- j) What is the role of phase contrast in microscopy?

SECTION-B

2. Give a detail note on concepts and methods used for aerobic cultures.
3. Give a detailed comment on morphological classification of bacteria.
4. Elaborate about normal growth cycle of bacteria.
5. Give a comment on :
 - a) Sugar fermentation media
 - b) Continuous culture.
6. What do you mean by filtration? Discuss its applications.

SECTION-C

7. Mention about efficiency of various sterilizers.
8. Give a complete note on safety measurements on clinical microbiology.
9. Elaborate about in house preparation of alcoholic disinfectants.

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.