

Roll No.

Total No. of Pages : 02

Total No. of Questions : 11

B.Sc. (Medical Technology-Anaesthesia & Operation Theatre)

(Sem.-1)

GENERAL MICROBIOLOGY

Subject Code : BAOTT-103-21

M.Code : 91346

Date of Examination : 17-01-2023

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTIONS TO CANDIDATES :

1. **SECTION-A** is **COMPULSORY** consisting of **EIGHT** questions carrying **TWO** marks each.
2. **SECTION-B** contains **EIGHT** questions carrying **FOUR** marks each and students have to attempt any **SIX** questions.
3. **SECTION-C** will comprise of two compulsory questions with internal choice in both these questions. Each question carries **TEN** marks.

SECTION-A

- 1. Write briefly :**
- a) What is bacterial flagella and capsules?
 - b) How hand washing and scrubbing is done?
 - c) Write the principle of dark field microscopy.
 - d) Define batch culture.
 - e) What is the difference between enriched and enrichment media?
 - f) Define disinfectants.
 - g) Enlist various methods for filtration sterilization.
 - h) How transportation of body fluid samples is done?

SECTION-B

2. Elaborate about the collection and transportation of sputum.
3. Classify sterilization with examples.
4. Write the various methods used for control of microbes.
5. Give the preparation method for culture media.
6. Write the role of operation theatre technologist in reducing hospital acquired infection.
7. Write down physical method for sterilization.
8. Write a note of types of microscopes.
9. Write the composition and uses of transportation and preservation media.

SECTION-C

10. Elaborate the application of microbiology with examples.

OR

Write a detailed note on bacterial cell division and its growth phase.

11. Classify disinfectants with its properties and mode of action.

OR

Write a note the following :

- a. Infected sharp waste disposal
- b. Collection of urine and pus sample?

NOTE : Disclosure of Identity by writing Mobile No. or Marking of passing request on any paper of Answer Sheet will lead to UMC against the Student.