

**Roll No.**

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**Total No. of Pages : 02**

**Total No. of Questions : 09**

**B.Sc. (Operation Theatre Technology) (Sem.-2)**

## APPLIED MICROBIOLOGY

**Subject Code : BSOT-202-19**

**M.Code : 79837**

**Date of Examination : 15-12-22**

**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) Principle of sterilization
- b) Water Bacteriology
- c) *Vibrio cholerae*
- d) HCV Test
- e) Role of OTT
- f) Mycology
- g) Virology
- h) Intestinal nematodes
- i) Radiation sterilization
- j) Structure of bacteria.

### SECTION-B

2. Elaborate efficacy testing of disinfectants.
3. Write a brief note on Staphylococci, Vibrio cholerae.
4. Mention the importance and methods of scrubbing.
5. Elaborate morphology and Life cycle of E.histolytica.
6. Discuss in brief Antimicrobial sensitivity testing.

### SECTION-C

7. Write a brief note on different types of autoclaves and their working principle.
8. Discuss properties, diseases caused, sample collection and prevention of Hepatitis.
9. Elaborate the role of Operation theatre Technologist in reducing Hospital infections.

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