

Roll No.

Total No. of Pages : 02

Total No. of Questions : 09

B.Sc. (OTT) (Sem.-3)

ANTIBIOTIC RESISTANCE AND ANTIBIOTIC POLICY

Subject Code : BSOT307-19

M.Code : 93344

Date of examination : 18-01-2023

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. **Write briefly :**
 - a. Antibiotic resistance
 - b. Intrinsic resistance
 - c. Myths of antibiotic resistance
 - d. Drug resistance
 - e. Indian scenario of antibiotic resistance
 - f. Environmental factors contributing the antibiotic resistance
 - g. Bacteriostatic with examples
 - h. Modification of drug target
 - i. Aerobic and anaerobic bacteria
 - j. The spectrum of activity of antibiotics.

SECTION-B

2. Discuss the mechanisms of action of antibacterial resistance.
3. Difference between antimicrobial resistance and antibacterial resistance.
4. Write various drug-related factors involved in antibiotic resistance.
5. What is hospital-acquired drug resistance?
6. Write a note on antimicrobial resistance?

SECTION-C

7. Elaborate on hospital antibiotic policies in detail.
8. Discuss the Indian scenario of antibiotic resistance in detail.
9. **Write the following:**
 - a. Prescriber-related factors involved in antibiotic resistance
 - b. Mechanism of antibacterial resistance.

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.