

Roll No.

Total No. of Pages : 02

Total No. of Questions : 09

B.Sc. (Operation Theatre Technology) (Sem.-3)
ANTIBIOTIC RESISTANCE AND ANTIBIOTIC POLICY

Subject Code : BSOT307-19

M.Code : 90345

Date of Examination : 19-12-22

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) Define the term antibiotics.
 - b) What is antimicrobial resistance?
 - c) Discuss the effect of environment on resistance.
 - d) What is intrinsic antibacterial resistance?
 - e) What is the difference between bacteriostatic and bactericidal?
 - f) How can antibiotics intake contribute to antimicrobial resistance?
 - g) Give drugs which lead to antibacterial resistance.
 - h) What types of bacteria are highly resistant?
 - i) Define hospital acquired drug resistance.
 - j) What are patient related factors for resistance?

SECTION-B

2. What can patients and healthcare providers do about antibiotic resistance?
3. Discuss about the prescriber-related factors for antimicrobial drug resistance.
4. Write about judicious use of antibiotics. How can it reduce antimicrobial resistance?
5. Describe acquired methods for drug resistance.
6. Discuss mechanism of antibiotic resistance inactivation.

SECTION-C

7. Describe about strategy to contain antibiotic resistance in detail.
8. Elaborate about difference between antimicrobial resistance and antibacterial resistance with examples.
9. Write an exhaustive note on hospital antibiotic policy.

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.