PSG COLLEGE OF ARTS & SCIENCE (AUTONOMOUS)

BSc DEGREE EXAMINATION DECEMBER 2023

(Fifth Semester)

Branch - MICROBIOLOGY

DISCIPLINE SPECIFIC ELECTIVE - I

ANTIMICROBIALS & CHEMOTHERAPY		
Time: Three Hours		
Maximum: 50 Marks		
Taritanii. 30 iviarks		
$(5 \times 1 = 5)$		
a) Physiotherapy b) Chemotherapy b) Chemotherapy		
thogens		
of disinfectants		
susceptible to a drug.		
susceptible to a drug.		
$(5 \times 3 = 15)$		
(* 1.5)		
scribe in brief.		
S.		
S.		
any one antiviral		
nt?		

9.

10. a. Briefly describe the origin of drug resistance.

b. Define and explain drug and multi- drug resistance.

(OR)

18MBU21A Cont...

SECTION -C (30 Marks)

Answer ALL questions
ALL questions carry EQUAL Marks

 $(5 \times 6 = 30)$

11. a. Describe the factors that influence the effectiveness of antimicrobial drugs.

(OR)

- b. Present in detail the general characteristics of antimicrobial drugs.
- 12. a. Explain phenol co-efficient test. Mention its significance.

(OR)

- b. Bring out the mode of action and applications of alcohol.
- 13. a. List out antifungal drugs. Write the mode of action of any two antifungal drugs. (OR)
 - b. Elaborate the mode of action of tetracycline.
- 14. a. Illustrate agar dilution method of antimicrobial susceptibility testing.

(OR)

- b. Summarize the features of drugs used against respiratory tract infections.
- 15. a. How can the spread of antimicrobial resistance among microbes be controlled? Discuss.

(OR)

b. With suitable diagrams, explain the efflux mechanism of microbial drug resistance.

Z-Z-Z END