

M.Sc. DEGREE EXAMINATION
FOURTH SEMESTER
22CH4D4: Antibiotics Drugs Vitamins and Steroid hormones
Time: 3 hours **Maximum Marks: 70**

SECTION - A	5X4=20M
1) (a) Explain the synthesis of Amoxicillin. (OR) (b) Explain the structure of β -lactam ring.	(CO-3,L-3) (CO-3,L-3)
2) (a) Write an account of Synthesis of camptothecin. (OR) (b) Write notes on chemotherapy.	(CO-2,L-2) (CO-2,L-2)
3) (a) Explain the CNS activity of strychnine. (OR) (b) Write an account of neuro transmitters.	(CO-2,L-2) (CO-2,L-2)
4) (a) Write the synthesis of paludrin and quinacrin. (OR) (b) Write the synthesis of Diphenyl-Chlorophene-2,4,4-trichloro-2-hydroxydiphenyl ether and aminocetine hydrochloride.	(CO-2,L-2) (CO-2,L-2)
5) (a) Discuss the synthesis of Thyroxin. (OR) (b) Discuss the synthesis of vitamin-K.	(CO-3,L-3) (CO-3,L-3)
Section-B	
6) (a) Discuss the structure elucidation and synthesis of Chloramphenicol. (OR) (b) Discuss cell wall biosynthesis.	5X10=50M (CO-3,L-3) (CO-3,L-3)
7) (a) Explain the structure and synthesis of Vincristine. (OR) (b) Explain the structure and synthesis of Taxol.	(CO-3,L-3) (CO-3,L-3)
8) (a) What are sedatives? Compare their mode of action. (OR) (b) What are hypnotics? Compare their mode of action.	(CO-4,L-4) (CO-4,L-4)
9) (a) Elaborate the various methods of preparation and synthesis of Sulpha drugs. (OR) (b) Elaborate the various methods of preparation and synthesis of Antiamoebic agents.	(CO-3,L-3) (CO-3,L-3)
10) (a) Assess the structure elucidation and synthesis of Vit A1. (OR) (b) Evaluate the structure elucidation and synthesis of Progesterone.	(CO-5,L-5) (CO-5,L-5)
