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NY-258-2023

FACULTY OF SCIENCE

M.Sc. (Second Year) (Third Semester) EXAMINATION

NOVEMBER/DECEMBER, 2023

(New/CBCS Pattern)

ORGANIC CHEMISTRY

Paper XVIII CH-534/2A (OCH-514)

(Medicinal Chemistry)

(Tuesday, 12-12-2023)

Time: 2.00 p.m. to 5.00 p.m.

Time—Three Hours

Maximum Marks—75

- N.B. := (i) Attempt all questions.
 - (ii) Figures to the right indicate full marks.
- 1. Attempt any three of the following:

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- (a) Define coagulants. Describe mechanism of 'blood clotting'.
- (b) Define Drug Assay. Describe Biological Assay.
- (c) Explain "Drug Absorption" in pharmacokinetics.
- (d) Describe the "Inhibition of Bacterial Protein Synthesis".
- (e) Give synthesis and SAR of Acedapsone.

P.T.O.

membrane Active Drugs with respect to Pharmacodynamics.

WT					3)	S. P.	NY-	-258-	-2023
· ((b)	(i)	What is Hammet equation ? Explain.						
		(ii)	Explain lipop	hilicity	effect to	increase	the oral	activi	ty of
			drugs.						7
				(Or				
		What are β -Lactum antibiotics ? Explain structure and activity of benzyl							
		penicillin.							7
5. ((a)	Give	the synthesis	marin.			5		
((b)	Write short notes on any two:							
		(i)	LD ₅₀ and ED) ₅₀					

(ii)

(iii)

Surface active agents

Action of anticoagulant drugs.