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NY-119-2023

FACULTY OF SCIENCE

M.Sc. (Second Year) (Fourth Semester) EXAMINATION NOVEMBER/DECEMBER, 2023

MICROBIOLOGY

Paper XVII (MB-402)

(Medical and Pharmaceutical Microbiology)

(Friday, 8-12-2023)

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

Time—Three Hours

Maximum Marks—75

- N.B. := (i) Attempt all questions.
 - (ii) All questions carry equal marks.
 - (iii) Illustrate your answer with proper figures and structure wherever necessary.
- 1. Define broad spectrum antibiotics. Explain in detail Tetracyclines. 15

Or

Write an essay on Chloramphenicol.

Describe in detail microbial contamination and spoilage of pharmaceutical products. Write a short note on its prevention.

Or

Write a note on vaccine clinical trials.

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3.	What are liposomes ? Discuss in detail immobilization procedure	
	pharmaceutical application.	15
	Or A Company	
	Explain in brief:	
	(a) IP	
	(b) BP	
	(c) USP.	
4.	Explain in detail role of quality assurance and quality managemen	t in
	pharmaceuticals.	15
	Write in detail safety measures taken in microbiology laboratory.	
5.	Write short notes on (any three):	15
	(i) Antiseptics	
	(ii) Chemical disinfectants	
	(iii) Sterile injectables	
	(iv) Synthetic drug carriers	
	(v) Z-value.	

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