

(This paper contains 2 pages)

FACULTY OF TECHNOLOGY

B. Pharmacy — II Year (I Semester) (Suppl.) Examination, June 2010 PHARMACEUTICAL MICROBIOLOGY

Fime: 3 Hours] [Max. M	
Note: Answer all questions. All questions carry equal marks.	
1. a) i) Explain the principle and application of fluorescence microscopy	. 10
ii) Define and classify microbes with suitable examples. OR	4
b) i) Describe the different techniques used for the isolation of micro-on in pure culture.	organisms 7
ii) Explain about the different methods of bacterial cell count.	7
2. a) i) Describe the different types of mutations and how they affect the code.	genetic 7
ii) Explain the mode of action of UV light and nitrous acid. OR	7
b) i) Discuss the morphology and reproduction in molds.	8
ii) What are point and 'frame shift' mutations? Explain how modified different from mutations.	cations are 6
3. a) i) Explain the mode of action and practical application of the follow A) Alkylating agents B) Heavy metals	ving: 8
ii) Write about sterilization by filtration.	6
OR	
b) i) Classify sterilization methods. What are non-thermal methods of s	terilization? 10
ii) Write a note on sterilization by radiation.	4

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4. a)	. a) i) Describe various types of immunity with:suitable examples.		
	ii) Write a-note Ott p tago OR	cytosis.	4
b)	i) Explain the antigen-an	tibody reactions.	8
	ii) Write a note on immun	oglobulins.	6
5. a) i) Write a note on presumpt bacteria.	ive test and confirmed test in identification of col	iform
	ii) Write the mode of trandiseases:	smission, diagnosis and treatment of the follow	ring 8
	i) Influenza	ii) Filariasis	
	OR		
b)	i) Describe the systematic	c study of streptomyces species.	6
	ii) Explain the principle, p	procedure and applications of pasteurization.	8
	NAM!	procedure and applications of pasteurization.	

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