BOWEN UNIVERSITY, IWO DEPARTMENT OF BIOLOGICAL SCIENCES

2010/2011 SECOND SEMESTER EXAMINATION

MCB 413: PHARMACEUTICAL MICROBIOLOGY

Answer any three questions			Time:	2hr 15 mins
1.	(a)	Discuss the mode of action of the β –lactams, aminoglycosides and the tetracyclines.		
	(b)	What do you understand by the principle of selective toxicit	y?	(25 Marks)
2.	(a) (b)	Write on any 4 disinfecting agents Discuss the factors which may influence the actions of disin	disinfectants. (25 Marks)	
3.	(a)	Write briefly on the following: (i) Antiseptics (ii) Septic (iii) Bacteriostatic (iv) Biocide (v) Bacteriocidal		
	(b)	Diagrammatically explain the distinct phases of the microbial growth curve an discuss in detail the phase which has a constant number of viable microorganisms.		
4.	(a)	Explain the term "Antibiotics"		(25 Marks)
	(b)	Write on any two of the following: (i) Two synthetic chemotherapeutic agents (ii) Azoles (iii) Topical antifungal agents (iv) Classes of available antifungal drugs		(25 Marks)
5.		ercial antibiotics have been discovered to fail on certain occamenon in detail.	asions.	Discuss this