QP Code: MSP103

M.Sc. Pharmacology 2nd Year

(BF/2023/12)

Experimental pharmacology, bio assay statistics and pharmacokinetics and recent advances MSCP-03/Paper III

M.M.:	80	Time: 3 Hours
Note:	,	
	2.) ATTEMPT BOTH PARTS IN SINGLE ANSW	
	3.) NO SUPPLEMENTARY SHEET SHALL PROVIDED	BE ALLOWED/
	4.) The Student must write Q.P. Code in the spa	ace provided on the
	<u>Title page of the Answer Book.</u>	
	Section-A	
	Write about the following:	
1.	Compare rabbit and rat as experimental animals.	[5]
2.	Therapeutic drug monitoring.	[5]
3.	First order and zero order kinetic of elimination.	[5]
4.	High performance thin layer chromatography.	[5]
5.	Pharmacoeconomic	[5]
6.	Informed consent.	[5]
7.	Liposomal drug delivery.	[5]
8.	Nonparametric statistical tests.	[5]
	Section-B Write about the following:	
1.	Technique for collection of blood samples in laboratory animals	. [5]
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2.	Beers-Lambert law and its limitations.	[5]
3.	Preclinical screening models for anti-diabetic agents.	[5]
4.	Investigational new drug (IND) and new drug application (NDA	A). [5]
5.	Mutagenicity studies.	[5]
6.	Types of randomization.	[5]
7.	Drug and cosmetics act.	[5]
8.	Two compartment pharmacokinetic model.	[5]
