Faculty of Pharmacy B.Pharm. Semester-V Examination BIOPHARMACEUTICS-I

Paper-T-5.6

Sections-A & B

Time—Three Hours]

[Maximum Marks-60

INSTRUCTIONS TO CANDIDATES

- (1) All questions carry marks as indicated.
- (2) Answer ALL questions from Section A and ALL questions from Section B.
- (3) Illustrate your answers wherever necessary with the help of neat sketches.

SECTION-A

- Define the following terms and discuss their significance in brief:
 - (a) Absorption
 - (b) Distribution
 - (c) Metabolism
 - (d) Excretion.
- What are the physiologic factors affecting oral absorption? Discuss G.I. physiology and gastric emptying in detail.

OR

	D: description feature affecting drug absorption
	Discuss dosage form factors affecting drug absorption.
3.	How does a drug distribute in various body fluids ?
Э,	Discuss in detail.
	OR
	Describe the different barrier in drug distribution.
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4.	Discuss plasma-protein binding in details, with its significance.
5.	Write short notes on (any TWO):
٥.	(a) Active transport process
	(b) Malabsorption
	(c) Tissue binding of drugs
	(d) Diseases affecting absorption.
	SECTION—B
,	What do you mean by Biotransformation ? Discuss
6.	Phase-I reactions in brief.
7.	
	OR
	Describe non-renal excretion of drugs. 6
8.	
	bioavailability measurement.
	OR
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	Enlist the methods of bioavailability enhancement and			
		uss any four in detail.	6	
9.	Describe in-vivo-bioequivalance studies in detail. 6		6	
10.	(TIMO)		6	
	(a)	Active metabolites		
	(b)	Drug dissolution and bioavailability		
	(c)	Inhibition of metabolism.		

3