Rol	I No. Tota	ıl No. of Pages : 01
	al No. of Questions: 06 M.Pharmacy(Pharmaceutical Analysis) (2017 Bate MODERN BIO- ANALYTICAL TECHNIC Subject Code: MPA-202T Paper ID: [74926] ne: 3 Hrs.	, , ,
INST 1. 2.	TRUCTIONS TO CANDIDATES: Attempt any FIVE questions out of SIX questions. Each question carries FIFTEEN marks.	
Q1.	a. Enumerate the principle and procedure for solid phase extractio	n. (8)
	b. Highlight the USFDA guidelines for bioanalytical method validation	ation. (7)
Q2.	a. What is dissolution and drug release testing?	(8)
	b. Explain the methods for the determination of permeability.	(7)
Q3.	Write short note on :	
	a. Drug interaction (PK-PD)	(8)
	b. Toxicokinetics.	(7)
Q4.	a. Explain different types of cell culture techniques.	(8)
	b. What is the principle and application of MTT assay?	(7)
Q5.	a. Highlight the Microsomal approaches for metabolite identificat	ion. (8)
	b. Detail the invitro assay of drug metabolite and metabolizing enz	zymes. (7)
Q6.	a. What is bioequivalence? How it is estimated? Give its significant	nce. (8)
	b. What is the purpose of bioavailability studies? Explain how it is	s determined. (7)

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