

www.FirstRanker.com

www.FirstRanker.com

Roll	I No Total No. of Pages	: 01
Tota	al No. of Questions : 06	
M.Pharmacy (Pharmacuetical Analysis) (2017 & Onwards) (Sem1) MODERN PHARMACEUTICAL ANALYTICAL TECHNIQUES Subject Code: MPA-101T M.Code: 74693		
Tim	e: 3 Hrs. Max. Marks:	75
INST	RUCTIONS TO CANDIDATES :	
1. 2.	Attempt any FIVE questions out of SIX questions. Each question carries FIFTEEN marks.	
1.	Discuss the principles, instrumentation and applications of IR spectroscopy with su examples and/or flow charts.	itable 15
2.	 Discuss chemical shifts and coupling in NMR. 	7
	 Write a note on principles and applications of NMR. 	8
3.	Describe the principles, instrumentation, procedure and applications of Spectroscopy with suitable examples and/or flow charts.	Mass 15
4.	Give a detailed account on the principles, instrumentation and applications of UPLO	. 15
5.	Write short notes on the following:	
	a. Gel Electrophoresis	8
	 b. Principles, working and applications of DSC 	7
6.	Discuss the following with suitable examples:	
	a. DTA	5
	b. Applications of potentiometry	5
	c. Atomic absorption spectroscopy	5

NOTE: Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.

1 M-74693 (S31)-559

