

M-1612040701040400 Seat No. _____

M. P. M. (Sem. IV) (CBCS) Examination

May / June - 2018

Pharmaceutical Analysis - II

Time: 3 Hours			[Total Marks : 8	80
[Total Marks . O				
Instructions: (1)			Figure to the right indicate marks.	
		(2)	Answers any three questions from each section question one and question five are compulsor	
		(3)	Draw neat and clean diagram when require	d.
SECTION - I				
1	Answer the following questions: (Any Seven) 14			
(a) What is Signal to noise ratio?(b) Define: HETP(c) Classify Thermo analytical methods			gnal to noise ratio?	
			TP	
			ermo analytical methods	
• •		Write Ilkov	ik Equation.	
		What is th	e validation?	
(f) Define: Sta		Define: Sta	ndard reduction potentials.	
(g) What is ha		What is ha	lf wave potential?	
(h) Define : Re		Define: Re	etention time	
(i) Enumerate		Enumerate	the type of Chromatography.	
	(j)	Define R_f a	and R_x value. Explain its significance.	
2 Answer the following questions:			owing questions :	
	(A)	Discuss: 0	lass electrode	7
	(B)	Discuss: Ty	pes of Amperometric titration.	6
3 Answer the following			owing question :	
	(A)) Explain : Polarimeter		
	(B)	Write a no	te on DME	6

4 Answer the following questions: (A) Discuss Differential scanning calorimetry in detail. 7 Write a short note on Paper chromatography with 6 application. SECTION - II 5 Answer any two out of three: 14 Give advantage and disadvantage of Instrumental method. Explain method for the separation of drugs in (B) multicomponent system. Explain methods of detecting end point in potentiometric titration. 6 Answer the following questions: 7 (A) Explain: Reference electrodes for Potentiometric titration. (B) Explain: Dip type and Jar type conductivity cell 6 7 Answer the following questions: (A) Discuss the Rate and Plate theory in chromatography. 7 (B) Write about Oxygen combustion flask method. 6 8 Answer the following questions: (A) Explain differential pulse polarography and stripping 7 voltametry. What is the conductance? Explain factor affecting 6 the conductance.