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		Code No. 6040 / S		
		FACULTY		
B. Pharmacy II Year I – Semester (Suppl.) Examination, April 2016				
Subject: Pharmaceutical Analysis – I (Chemical Analysis)				
Ti	me:	3 Hrs Max.Marks: 70		
	Note: Answer all questions. All questions carry equal marks.			
1	a) b)	Explain abt the calibration and its importance in analysis. Write a note on rejection of dbtful value. OR	8 6	
	c) d)	Write a note on sinificant fiures and rules for computation. Describe different methods of expressin concentration of standard solution.	8 6	
2	a) b)	Define the term pH. Explain abt the hydrolysis of salts. Explain law of mass action and its sinificance. OR	8 6	
	c) d)	Explain the neutralization curves for a titration between stron aid and stron base. Comment upon the indicators used. Describe the principle and procedure involved in standardization of 0.1 N HCI.	10 4	
3	a) b)	Discuss the eneral principle s of ravimetric analysis. Write an accnt on the Oxidation – Reduction titrations and their applications in analysis.	8 6	
	c) d)	Discuss abt varis types of redox indicators with examples. Write a note on oranic precipitants used in r avimetry.	8 6	
4	a) b)	Discuss the principles of as analysis. Write the principle of complexometric titration. Describe the principle and procedure involved in assay of manesium sulphate.	6 8	
*	c) d)	Explain the preparation and standardization of 0.1 M EDTA solution. Write the principle involved in non aques titration. Explain with examples, what type of pharmaceutical compnds are assayed by non aques titration.	6 8	
5	a) b)	What is avaadros number and write an accnt of measurin of moles of elements and compnds. Explain the terms theoretical yield, percentae yield and limitin reactant.	5 9	
	c) d)	Define the terms empirical formula, molecular formula and percentae composition. Find the pH of a solution in which $[H^+] = 4.0 \times 10^5 \text{ mol} / \text{dm}^3$.	8 6	
