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		Code N	lo. 4040
FACULTY B. Dharmany 2/4 L Semester (Main) Eveningtion, November 2016			
B. Fharmacy 2/4 T Semester (Main) Examination, November 2016			
Time : 3 Hrs Max. Marks:			
Note: Answer all questions. All questions carry equal marks.			
1	(a) (i)	Define the terms accuracy and precision. Explain the difference betwee them with suitable examples.	en (8)
	(ii)	Describe different methods of expressin concentration of solutions. OR	(6)
	(b) (i) (ii)	Discuss abt the statistical treatment of analytical data. Write notes on rejection of dbtful value. Define the followin terms and ive examples with required properties	(8) (6)
		(A) Primary standard (B) Secondary standard	
2	(a) (i)	Define the terms buffer, buffer action and buffer capacity. Discuss the buffers in pharmaceutical analysis.	role of (3+5)
	(ii)	Write Arhenis theory of acids and bases.	(6)
	(b) (i) (ii)	Explain the terms acidimetry and alkalimetry with suitable examples. Discuss the theories of neutralization indicators.	(8) (6)
3	(a) (i)	Discuss the principles involved in ravimetry. Explain abt co precipitation with suitable examples.	itation (3+6)
	(11)	How do y prepare and standardize 0.1 K $_{2}Cr_{2}O_{7}$.	(5)
	(b) (i)	Explain lodimetry and lodometry with suitable examples. Discuss the starch as indicator in redox titration and its limitations.	use of (10)
	(11)	Write a note on dryin procedures followed in ravimentry.	(4)
4	(a) (i)	Discuss the principle involved in complexometric titration. Write short on PM indicators.	notes (8)
	(11)	sulphate.	(6)
	(b) (i)	Write brief accut on principles of as analysis	(6)
	(ii)	Discuss abt the solvents and indicators used in non aques titration.	(8)
5	(a) (i)	Define the terms: (A) Normality (B) Molarity (C) Theoretical yield (D) Percentae yield	(8)
	(ii)	Write the mass balance equation for the followin: (A) KBr + KBrO ₃ \rightarrow KCl + Br ₂ + H ₂ O (B) CaCO ₃ + HCl \rightarrow CaCl ₂ + H ₂ O + CO ₂ OR	(6)
	(b) (i)	What is avaadros number? Write an accnt on determinin moles of elements in compands	(Q)
	(ii)	Find the pH of a solution in which $[H^+] = 4.0 \times 10^5 \text{ mol /dm}^3$	(6)

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