Time: Three Hours]

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[Maximum Marks: 80

B.Pharm (Second Semester) (C.B.S.) Examination PHARMACEUTICAL ANALYSIS—I

Paper-4

	N.B	3.:—(1) Question No. 1 is compulsory.	
		Solve any four questions from the remaining.	
		Draw neat labeled diagram wherever necessary.	
		(4) Assume suitable data wherever necessary.	
1.	Solv	ve any five of the following: 4×5=	-20
	(a)	Define ligands. Classify them with examples.	
	(b)	Write about primary and secondary standards.	
	(c)	Why is magnesium added in calcium determination by complexometry?	
	(d)	Give the preparation and standardization of 0.1 M perchloric acid.	
	(e)	Comment on the role of glycerin in the assay of boric acid.	
	(f)	Compare and contrast Iodimetry and Iodometry.	
	(g)	Define Normality and Molarity with suitable examples. Compare their merits and demerits.	
2.	(a)	Classify non-aqueous solvents with suitable examples.	10
	(b)		
		hydrochloride by non-aqueous titration.	5
3.	(a)	10.0	10
		Discuss in brief co-precipitation and post-precipitation.	5
4.	(a)	Write the theory of adsorption indicators.	7
	(b)		-
_		nitrate.	8
5.	(a)		7
	(b)	Define accuracy, precision and error. Give the classification of errors and write in short meth to minimise them.	ods 8
6.	(a)	T 11	
	()		10
	(b)	Discuss the theory of metal ion indicator.	5
7.		te a note on Redox indicators with examples. Discuss about ceric ammonium sulphate titrati	ion.
		e the method for preparation and standardization of 0.02 M potassium permanganate.	15

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