Code	e.No: R05010801 R05	SET-1		
I - B.TECH EXAMINATIONS, DECEMBER - 2010 ANALYTICAL CHEMISTRY (CHEMICAL ENGINEERING) Time: 3hours Max.Marks:80 Answer any FIVE questions All questions carry equal marks				
1.a) b)	Write a short notes on digestion of precipitate. Describe a method for the determination of Iron by gravimetric analysis.	. [8+8]		
2.a) b)	Write a short notes on redox indicators. Explain the principle & procedure for the estimation brass solder by titration.	volumetric [8+8]		
3.a)	Explain the method for estimation of Iron in alloy by using	uv-visible		
b)	Write a brief account on types of transitions in organic molecules.	[8+8]		
4.a) b)	Explain various components of IR with the help of neat diagram. Write the important applications of IR spectroscopy.	[8+8]		
5.a) b)	 Explain the Analytical applications of potentiometry. Define the following: i) Conductivity ii) Specific Conductivity iii) p^H. 	[8+8]		
6.a)	What is the principle involved in amperometric titrations explain with	cample?		
b)	Write short notes on:i) Controlled current electrolysisii) Controlled electrode potential electrolysis.	[8+8]		
7.a)	How technique of paper chromatography is used for separation compounds.	of organic		
b)	Write about:i) Nernst distribution lawii) Distribution coefficient.	[8+4+4]		
8.a) b)	Discuss the applications of gas chromatography in quantitative analysis. Write a short note on pumping systems used in HPLC.	[8+8]		

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- 6.a) Discuss the applications of gas chromatography in quantitative analysis.
- b) Write a short note on pumping systems used in HPLC. [8+8]

[8+8]

- 7.a) Write a short notes on digestion of precipitate.b) Describe a method for the determination of Iron by gravimetric analysis.
- 8.a) Write a short notes on redox indicators.
 b) Explain the principle & procedure for the estimation brass solder by volumetric titration. [8+8]

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Code	R05010801	SET-3		
I - B.TECH EXAMINATIONS, DECEMBER - 2010 ANALYTICAL CHEMISTRY (CHEMICAL ENGINEERING) Time: 3hours Max.Marks:80 Answer any FIVE questions All questions carry equal marks				
1.a) b)	 Explain the Analytical applications of potentiometry. Define the following: Conductivity Specific Conductivity p^H. 	[8+8]		
2.a) b)	What is the principle involved in amperometric titrations explain with example with example and the source of the source	ample? [8+8]		
3.a) b)	How technique of paper chromatography is used for separation of compounds. Write about: i) Nernst distribution law	organic		
4.a) b)	ii) Distribution coefficient.Discuss the applications of gas chromatography in quantitative analysis.Write a short note on pumping systems used in HPLC.	[8+4+4]		
5.a) b)	Write a short notes on digestion of precipitate. Describe a method for the determination of Iron by gravimetric analysis.	[8+8]		
6.a) b)	Write a short notes on redox indicators. Explain the principle & procedure for the estimation brass solder by vertitration.	olumetric [8+8]		
7.a) b)	Explain the method for estimation of Iron in alloy by using u spectroscopy. Write a brief account on types of transitions in organic molecules.	v-visible [8+8]		
8.a) b)	Explain various components of IR with the help of neat diagram. Write the important applications of IR spectroscopy.	[8+8]		



Code	.No: R05010801 R05	SET-4		
I - B.TECH EXAMINATIONS, DECEMBER - 2010 ANALYTICAL CHEMISTRY (CHEMICAL ENGINEERING) Time: 3hours Max.Marks:80 Answer any FIVE questions All questions carry equal marks				
1.a) b)	What is the principle involved in amperometric titrations explain with exWrite short notes on:i) Controlled current electrolysisii) Controlled electrode potential electrolysis.	ample? [8+8]		
2.a) b)	How technique of paper chromatography is used for separation o compounds. Write about:	f organic		
0)	i) Nernst distribution lawii) Distribution coefficient.	[8+4+4]		
3.a) b)	Discuss the applications of gas chromatography in quantitative analysis. Write a short note on pumping systems used in HPLC.	[8+8]		
4.a) b)	Write a short notes on digestion of precipitate. Describe a method for the determination of Iron by gravimetric analysis.	[8+8]		
5.a) b)	Write a short notes on redox indicators. Explain the principle & procedure for the estimation brass solder by v titration.	olumetric [8+8]		
6.a)	Explain the method for estimation of Iron in alloy by using spectroscopy.	uv-visible		
b)	Write a brief account on types of transitions in organic molecules.	[8+8]		
7.a) b)	Explain various components of IR with the help of neat diagram. Write the important applications of IR spectroscopy.	[8+8]		
8.a) b)	Explain the Analytical applications of potentiometry.Define the following:i) Conductivityii) Specific Conductivity			
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