



ADITYA DEGREE COLLEGES

VI SEMESTER- PRE-FINAL

III BSc :: ANALYTICAL METHODS IN CHEMISTRY- VII-A

Date : 23.03.2020

Max. Marks: 75

SECTION -A

Answer Any Five Questions

5X 5 =25M

- 1.Explain Precipitation and Coagulation?
2. Explain Acid -Base Titration ?
3. How do you estimate Fe(III) ion using solvent extraction ?
- 4.What are Significant Figures ?
- 5.What are the Factors effecting R_f Value?
6. How do you prepare TLC Plates ?
- 7.Explain the Principle of HPLC ?
8. What is the principle of Solvent extraction ?

SECTION -B

Answer All Questions

5 X 10 =50M

9.a)Describe the Redox Titration?

OR

b) Explain Co-Precipitation and Post precipitation ?

10.a)Discuss various types of Errors ?

OR

b). Explain the term Accuracy and Precision ?

11 a). Explain Batch extraction and Continous extraction ?

OR

b).How do you separate Inorganic mixture by Ion exchange chromatography ?

12 a).What is Chromatography?How they classified?

OR

b).Explain the Principle,Experimental procedure and Application of paper chromatography ?

13 a).Explain about Column Chromatography ?

OR

b).Explain about Thin Layer Chromatography?