**SRI VENKATESWARA UNIVERSITY**

**CHEMISTRY - SEMESTER-VI**

**ELECTIVE Paper- VII-(A): ANALYTICAL METHODS IN CHEMISTRY**

**MODEL PAPER**

**SECTION-A**

**I)ANSWER ANY FIVE QUESTIONS 5X5=25 Marks**

1)Explain Accuracy & Precision ?

 2)Write about Rf factor?

 3)Explain about Complexometric Titrations?

 4)What are Significant Figures?

5)Write a short note on Synergism?

6)Explain about the types of Ion exchange Resins?

7)Write a short note on Redox Titrations ?

 8) Write the applications of Thin Layer Chromatography and Paper Chromatography?

**SECTION-B**

**II)ANSWER ALL QUESTIONS 5X10=50Marks**

9.(a) What are Acid-Base Titrations? Explain the choice of indicator in Acid-Base Titrations?

**(OR)**

(b) Write the principles involved in gravimetric analysis?

10.(a) What are Errors? Explain different types of errors?

**(OR)**

(b) Write a short note on Standard deviation and Confidence limit?

11.(a) Write the principle, technique used in Batch extraction and determine Fe3+ ion in a given mixture?

**(OR)**

(b) Write a short note on Counter and Counter current extraction?

12.(a) Write the Principle and explain different types of experimental procedures involved in Paper chromatography?

**(OR)**

(b) Write the principle and applications of column chromatography?

13.(a) Write the Principle and explain different experimental steps involved in TLC?

**(OR)**

(b) Write the principle and applications of HPLC?