2054

B.Pharmacy (I st Sem.)

Pharamaceutical Analysis-I(PHM-1.1.1)

Time:-3 hrs MM:-80

Note:- Section A is Compulsory. Attempt any four questions from Section-B. Attempt any three questions from Section-C.

Section-A

Q.No 1 15x2

a) How will you differentiate between precipitate & crystal ?
b) Define oxidation number.
c) What is common ion effect.
d) What do you understand by term bionomial distribution?
e) What is self indicator?
f) What is the utility of significant figures?
g) Define emf.
h) Which indicator is used in Mohr's method (give reactions)?
i) What do you understand by pH?
j) Write Fajan's method's application.
k) How do you characterize colloidal state?
l) Define standard deviation.
m) Define with example the primary standard.
n) Differentiate between Iodimetry & Iodometry.
o) What is use of sodium2,6-dichlorophenol indophenol

Section-B

Q.No 2 Calculate & draw titration curve for titration of strong acid & strong base. 4x5

Q.No 3 Solubility of AgF is 20 g /100 m L , whereas Ag Cl, Ag Br & Ag I are practically insoluble. Explain why?

Q.No 4 Write a note on thermo gravimetric curves.

Q.No 5 How will you estimate aluminium in given powder sample.

Q.No 6 How will you assay H_3PO_4 ?

Section-C

Q.No 7 Write a note on student t-test. 3x10

Q.No 8 What is indicator? Give theory of indicator action, mixed indicators & redox indicators.

Q.No 9 What do you understand by terms solubility product, supersaturation ,co-precipitation ,post-precipitation & digestion .What are organic precipitants (give examples?

Q.No 10 Write a note on argentometric method of analysis.