

PHARMACEUTICAL ANALYSIS

(2012 Scheme)

Time: 3 Hours

Total Marks: 100

- Answer all Questions.
- Write equations wherever necessary.

Essay

(3x10=30)

1. Explain Henderson –Hasselbach equation in neutralization titrations
2. Mention the theoretical basis and types of solvents employed in non-aqueous titrations
3. Describe about calibration of analytical equipments used in quality control

Short notes

(14x5=70)

4. Gasometry
5. What are pM indicators and explain its functioning in titration
6. What is argentometric titration and mention few standards used in it.
7. Titration of polyprotic system
8. How do the weak bases are titrated.
9. Nernst equation and its importance
10. Explain various techniques involved in gravimetric analysis
11. Diazotization titration and its application
12. Explain one method to estimate nitrogen
13. How will you determine moisture content in a given substance
14. What is co-precipitation.
15. What is the importance of QC in pharmaceuticals
16. Various types of errors in volumetric analysis.
17. End point detection methods in complexometric titration
