QP CODE:202006 (OLD SCHEME)

Second Year B.Pharm Degree Supplementary Examinations February 2017

PHARMACEUTICAL ANALYSIS (2010 Scheme)

Time: 3 Hours

- Answer all Questions.
- Write equations wherever necessary.

Essay

- 1. Explain theory of indicators and how indicators are chosen for neutralization titration such as strong acid Vs. strong base and weak acid Vs strong base.
- 2. Explain briefly about argentometric titrations. State how will you determine end point in precipitation titrations
- 3. Explain briefly about complexation and different types of titrations in complexometry.

Short notes

- 4. How will you calibrate burette and volumetric flask and mention its importance.
- 5. Explain briefly about law of mass action and its application
- 6. Explain briefly about pharmaceutical buffer solutions and its pharmaceutical applications
- 7. Redox indicators.
- 8. Explain the principle and procedure for the estimation of gases by Gay-Lussac method.
- 9. Define and explain masking and demasking agents and mention its applications.
- 10.Explain about diazotisation titration
- 11. Explain mean, median, mode and standard deviation.
- 12. State Nernest equation and mention its applications.
- 13. How will you determine pH of a solution. Explain briefly about calculation of pKa value of a solution.
- 14. Important role of mercuric chloride solution in argentometric titrations
- 15. Derive Henderson Hesselbatch equation
- 16. Mention the importance of quality control and explain about accuracy and precision.
- 17. Explain mixed indicators and its significance.

Total Marks: 100

(14x5=70)

(3x10=30)

Reg.No: