First Semester B. Pharm Degree Supplementary Examinations
March 2023
Pharmaceutical Analysis - I

(2017 Scheme)

Time: 3 Hours   **Max. Marks: 75**

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *Draw table/diagrams/flow charts wherever necessary*

Essay   **(2x10=20)**

1. Explain the theories of acid-base indicators.
2. Explain gravimetric analysis. Explain the various steps involved in gravimetric analysis.

Short Notes   **(7x5=35)**

3. Define error and explain the types of error.
4. Explain with reaction the standardization of per chloric acid.
5. Masking and demasking agents.
6. List out the various redox titrations. Explain the principle involved in cerimetry.
7. Explain the construction and working of standard hydrogen electrode. Add a note on its advantages and disadvantages.
8. Explain the principle involved in polarography. Give the Ilkovic equation.
9. Explain Mohr's method.

Answer Briefly   **(10x2=20)**

10. Define molarity.
11. Define significant figure.
12. What are neutralization titrations
13. What are the precautions to be taken in the preparation of per chloric acid.
14. What are pM indicators. Give examples.
15. Explain co-precipitation.
16. Define oxidizing and reducing agents. Give examples.
17. What are indicator electrodes. Give examples.
18. Define primary standards. Give two examples.
19. Define ligand. Give examples.

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