SEMESTER EXAMINATION-2021-22
CLASS - B.Pharm. Ist Sem ... SUBJECT- Pharmaceutical chemistry ...
PAPER CODE:BP-102T PAPER TITLE- pharmaceutical analysis

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

Min. Pass: 40%

Note: Question Paper is divided into two sections: **A and B.** Attempt both the sections as per given instructions.

SECTION-A (SHORT ANSWER TYPE QUESTIONS)

Instructions: Answer any five questions in about 150 words   (5 X 7 = 35 Marks)
each. Each question carries seven marks.

Question-1: What is analysis? Write a note on different techniques of analysis.
Question-2: Describe any two of the following.
                a) Co-precipitation,   b). Post-precipitation,   c). Primary and secondary standard
Question-3: Explain the methods of minimizing errors in analysis with examples.
Question-4: Write principle and applications of conductomerty.
Question-5: Write a note on.
                a). Concept of oxidation and reduction. b). Scope of Analysis.

Question-6: Give the method for preparation and standardization of approximately 0.1N oxalic acid solution.

Question-7: What is non-aqueous titration? Discuss alkalimetry in non-aqueous titration.
Question-8: What do you understand by masking and demasking agents? Write a note on metal ion indicators.

Question-9: Write a short note on:
                a). Ilkovic equation.   b). Dropping mercuric electrode

Question-10: Explain the various theories of indicators with suitable example.

SECTION-B (LONG ANSWER TYPE QUESTIONS)

Instructions: Answer any FOUR questions in detail. Each   (4 X 10 = 40 Marks)
question carries 10 marks.

Question-11: Explain various methods of expressing concentration.

Question-12: What is precipitation titration? Explain volhard's method.
Question-13: . Classify acid base titrations. Describe in detail neutralization curves.
Question-14: Discuss the principle of gravimetric analysis. Give method for estimation of barium as barium sulphate.

Question-15: Write a note on:
        a). Accuracy and Precision b). Iodometry and Iodimetry

Question-16: Explain in detail methods of determine end point of potentiometric titration and applications.

Question-17: Explain various sources of errors in pharmaceutical preparations.
Question-18: Give a detail account of estimation of magnesium sulphate by complexometric
        titration.

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