M. P. M. (Sem. I) (WEF-2017-18) Examination

July - 2021

Pharmaceutical Analysis-I (BP-102)

Time : **3** Hours]   [Total Marks : **75**

Instructions : Figure to the right indicate full marks for the respective question.

1   Answer the following questions :   **20**
   (1)   Give the limitation of Bronsted Lowery Theory.
   (2)   Define Acid Base Titration and give the application of Acid Base Titration.
   (3)   Name a few indicator used in Non Aqueous titration and give advantages of Non Aqueous Titration.
   (4)   Define Argent metric Titration and Complexometric Titration.
   (5)   Give the basic principle of diazotization titration.
   (6)   Classify Redox Titration.
   (7)   Define specific conductance and Specific Resistance.
   (8)   Draw a well labelled diagram for the apparatus of Potentiometric titration.
   (9)   Give the advantages of Dropping Mercury Electrode.
   (10) What is difference between Normality and Molarity.

2   Answer the following questions : (any **two**)   **20**
   (1)   Describe Acid Base theory in detail.
   (2)   Define Non-aqueous titration and describe Alkalimetry and Acidimetry in detail.
   (3)   Discuss theory and principle involved in Complexometric titration.

3 Answer the following questions : (any **seven**) **35**

    (1) Give a brief review on errors.

    (2) Write a note on theory of Acid Base Indicator.

    (3) Discuss the principle and theories involved in Gravimetric Analysis.

    (4) Describe types of Redox Titration.

    (5) Give a brief review on Conductometry.

    (6) Write about indicator electrode in detail.

    (7) Discuss about Ilkovic Equation.

    (8) Write an illustrative note on the method of expressing concentration.

    (9) Write Mohr's Method in detail.

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