

University of Babylon / College of Pharmacy

Department of Pharmaceutical Chemistry/Analytical Chemistry

Lecture number - 12

31/12/2018

Mid – Exam

31-12-2016

Tim: 2- hours

Answer each of following questions:

Q1: Explain with example (ans-10)

10 - Marks

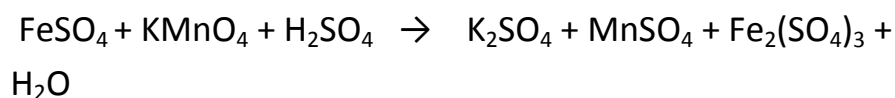
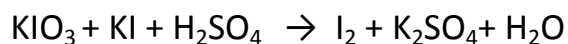
1-Gravimetric method. 2-Primary standard. 3- Instrumental Errors. 4- Personal Errors. 5- Precision. 6-Strong and Weak Electrolytes.

7– Retention time. 8 – Micro analytical balance. 9- The mole.

10-Application of Gravimetric methods. 11-Column.

Q2: Write balanced equations:

6 - Marks



Q3: Answer these exercise

9 - Marks

A – How many grams of potassium chloride, the existing (or necessary for the preparation of ) 400 ml note that the concentration of 0.85% ( w/v).

B- Calculate the molar concentration of ethanol in an aqueous solution that contains 2.30 g of C<sub>2</sub>H<sub>5</sub>OH (46.07 g/mol) in 3.50 L of solution.

C-Find the number of moles and millimoles of benzoic acid ( M = 122.1 g/mol) that are contained in 2.00 g of the pure acid.

Thank you