Hemchandracharya North Gujarat University, Patan
Bachelor of Vocation
'Pharmaceutical Chemistry' Semester - II
END TERM Examination, April, 2018
Subject: (PC-214) Analytical Chemistry

Time: 2 hrs **Date :- 27/04/2018** **Maximum marks: 50**

Q.1 Answer any 9 questions. Each question carries 1 mark (9*1=9Marks)

1. How many Significant Figures of 2008.6.
2. In Semi micro Method what can be Weight in (mg) of the Sample by its Sample Size?
   a) 1-10 mg b) < 1mg
   c) 10 –100mg d) >100 mg
3. Give the Definition of "Standard Deviation" ?
4. Give Name of a book written by A. I. Vogel?
5. Give the definition of Pricision?
6. What is Census inquiry?
7. Instrumental error is a types of _____ error.
   a) systematic b) random c) Quality d) All of the above
8. Define the Word Dry ashing?
9. EDTA use as an indicator in Complexometric titration. (True/False)
10. What is the Base pH range?

Q. 2 Answer any 5 questions. Each question carries 4 marks (5*4=20 Marks)

1. Explain Accuracy and Precision with suitable example.
2. What is Redox titration? Find the equivalent weight of $kmno_4$ & k_2cro_7.
3. Write a short note on Literature of Analytical chemistry.
4. Write a note on – Metalochromic indicators.
5. The Following amount of Cl^- Ions obtain as shown below, 1.302, 1.401,1.607mg/lit. Find the Outlier value and check the value is retained or rejected?
6. Discuss Crushing and Grinding.
7. Explain Wet digestion method with dvantages and disadvantag.

Q.3 Answer any 3 questions. The question carries 07 marks (3*7=21 Marks)

1. What is error? Explain its types.
2. To calculate Mean, Median, Range, Deviation, Standard Deviation From given Burette readings.
   22.25, 22.24, 22.30, 22.28, 22.25, 22.26.
3. What is Precipitation titration? Explain using by Mohr method.
4. Explain Sampling procedure and the Hazards in sampling.