

Hemchandracharya North Gujarat University, Patan
Bachelor of Vocation
Pharmaceutical Chemistry Semester-II
Mid SEM Examination, April 2015
Analytical Chemistry (PC-214)

Time: 2 hrs

/04/2015

Marks: 50

Q-1 Answer the given below Questions. [1 mark each] (10)

1. Fajan's method is an example _____ of type of titration?
(a) Acid-Base (b) Precipitation
(c) Redox (d) Complexometric
2. Limit of relative standard deviation should not more than _____%.
3. Define: - Titrant
4. Unit of Standard Deviation is _____
(a) cm/inch (b) gm/mole (c) kg/lit (d) none of these.
5. Sodium chloride is an example of secondary standard (True/False).
6. Match the following
Indicator Titrate
Colour change
Titrant
7. Titration is qualitative & _____ analysis.
8. Define :- End point.
9. If the results are precise it should also be accurate (True/False).
10. Instrumental error is a type of _____ error.
(a) systematic (b) random (c) absolute (d) all of these

Q-2 Answer any 4 Questions. [5 mark each] (20)

1. What are errors? Classify them in detail.
2. Discuss accuracy & precision with suitable example.
3. State relative error by suitable example.
4. What is titration, discuss it through it's type.
5. Define primary & secondary standards.

Q-3 Answer any 4 Questions.

[5 mark each]

(20)

1. Write down Volhard method in detail.
2. Describe Complexometric type of titration in detail
3. Define mean, median, Standard Deviation & Relative Standard Deviation by suitable example.
4. Find out Coefficient of Variant (RSD) for the given below values.
2.23, 2.21, 2.25, 2.26, 2.24 & 2.25.
5. Write in detail Redox titration.

-----BEST OF LUCK-----