

**Hemchandracharya North Gujarat University, Patan**  
**Bachelor of Vocation**  
**Pharmaceutical Chemistry Semester-II**  
**End Term SEM Examination, June 2015**  
**Analytical Chemistry (PC-214)**

**Time: 2 hrs**

**Date: 04/06/2015**

**Marks: 50**

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

1. Volhard's method is an example \_\_\_\_\_ of type of titration?  
(a) Complexometric (b) Redox  
(c) Acid-Base (d) Precipitation
2. What does Cs means \_\_\_\_\_  
(a) Quality of sample (b) Quantity of sample  
(c) Concentration of sample (d) None of these
3. Unit of Standard Deviation is \_\_\_\_\_  
(a) gm/mole (b) kg/lit (c) cm/inch (d) none of these.
4. Define: - Titrant
5. Match the following  

Indicator	Titrant
	Colour change
	Titrate
6. Potassium Hydrogen Phthalate is an example of secondary standard (True/False).
7. Define :- Primary standard.
8. Main purpose of the sampling is to determine \_\_\_\_\_  
(a) Quantity (b) Solubility (c) Quality (d) All of these
9. Instrumental error is a type of systematic error. (True/False).
10. Define: Sampling.

**Q-2 Answer any 5 Questions. [6 marks each] (30)**

1. Explain hazard in sample in detail.
2. What is titration, discuss it through its type.

3. State the basic parameters of sampling with its procedure.
4. Discuss accuracy & precision with suitable example.
5. Define primary & secondary standards.
6. What are systematic errors?

**Q-3 Answer any one Question.**

**[10 marks]**

**(10)**

1. Write down Fajan's method in detail.
2. Find out Coefficient of Variant (RSD) for the given below values.  
7.15, 7.14, 7.12, 7.16, 7.14 & 7.15.

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