

Hemchandracharya North Gujarat University, Patan  
Bachelor of Vocation  
Pharmaceutical Chemistry Semester - III  
End Term Examination, December, 2016  
(PC 315) Pharmaceutical Inorganic Chemistry

Time: 2 hrs

Date: 23/12/2016

Maximum marks: 50

**Q.1 Answer all questions. Each question carries 1 mark.**

**(9\*1=9Marks)**

**(OBJECTIVE QUESTIONS)**

1. Define Astringent.
2. Match The following  

Name of Compound	Assay Principle
a) Silver Nitrate	a) complexometric titration
b) Zinc oxide	b) precipitation titration
c) Zinc Sulphate	c) redox titration
d) Iodine	d) acidimetry- alkalimetry
3. Hydrogen Peroxide is use as  
1) Antiseptic 2) Protective 3) antioxidant
4. Comment : Ammonia & Citric acid are added in limit test if Iron.
5. The Laughing Gas is Known \_\_\_\_\_
6. True/ False: Water for Injection is purified by distillation.
7. In limit test of Chloride \_\_\_\_\_ prevent production of opalescence due to presence of  $\text{Ag}_2\text{CO}_3$ ,  $\text{CO}_2$ .
8. Enlist Type of water.
9. Write a Principle of limit test of Lead.
10. \_\_\_\_\_ Paper is used in limit test of arsenic.

**Q. 2 Answer any 5 questions. Each question carries 4 marks.**

**(5\*4=20Marks)**

**(SHORT QUESTIONS)**

1. Write a note on acid- base theory
2. Define & Classify Topical Agents With example.
3. Write note on Buffer System.
4. Write limit test of Chloride.(Principle, reaction, procedure)
5. Write a note on Type of Glass.
6. Give Principle & assay procedure for  $\text{KMnO}_4$ .

**Q.3 Answer any 3 question. Each question carries 7 marks.**

**(3\*7=21Marks)**

**(DESCRIPTIVE QUESTIONS)**

1. Define Preservative & Explain Sodium Benzoate.
2. Write a Monograph of  $\text{ZnO}$ .
3. Write a Preparation, Properties, Assay procedure & use of  $\text{TiO}_2$ .
4. Define Antioxidants. Write Preparation, assay & use of Hypophosphorous acid.