

Roll No

BP-104 T

B.Pharm., I Semester (New PCI Scheme)

Examination, December 2016

Choice Based Credit System (CBCS)

Pharmaceutical Inorganic Chemistry

Time : Three Hours

Maximum Marks : 60

- Note:** i) Attempt any five questions.
ii) All questions carry equal marks.
iii) Questions should be attempted in a sequence.

- a) Discuss the role of buffers in pharmaceutical system with suitable examples.
b) Discuss the principle and reactions involved in the limit test of heavy metals.
- a) Discuss the various sources and types of impurities in pharmaceutical substance.
b) Explain the principle and reactions involved in the limit test of sulphate.
- a) Discuss in detail the classification and mechanism of action of antimicrobial agents
b) Classify expectorants and discuss its mechanism of action.

- a) Explain the ideal properties of Antacids and give the importance of its combination.
b) Classify emetics and explain its mechanism of action.
- Explain in detail the methods used for measurement of radioactivity.
- Give the method of preparation and chemical reactions of the following inorganic compounds.
a) NaHCO_3
b) Potassium iodide
c) ZnSO_4
d) Sodium orthophosphate
- Give the method of preparation and chemical reactions of the following inorganic compounds.
a) KMnO_4
b) Potash Alum
c) Ferrous Sulphate
d) Sodium thiosulphate
- a) Discuss in detail the pharmaceutical application of radioactive substances.
b) Explain the role of Fluoride in treatment of dental caries.
