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Roll No

PY - 112

B.Pharmacy, I Year I Semester

Examination, December 2015

Choice Based Credit System (CBCS)

Pharmaceutical Chemistry-I

(Inorganic Chemistry)

Time : Three Hours

Maximum Marks : 60

Note: i) Attempt any five questions.

ii) All questions carry equal marks.

iii) Subparts of the question should be attempted in continuation.

1. a) What do you understand from the term 'Limit test'? Discuss the principle and procedure of the limit test of Chloride.
b) Describe briefly the sources of impurity in pharmaceutical substances.
2. Describe preparation, properties and uses of the any two of the following reagents :
a) Grignard reagent
b) Hydrogen Peroxide
c) Nessler's reagent
3. a) What are different physiological ions? Explain briefly the role of Iron and Calcium in human body.
b) What is electrolyte combination therapy?

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4. Write preparation, properties and uses of any three of the following :
a) Copper sulphate
b) Aluminium Hydroxide
c) Silver Chloride
d) Potassium hydroxide
5. What are the basic handling requirements of radiopharmaceuticals? Discuss the diagnostic and therapeutic applications.
6. Explain the following :
a) Principle of limit test of sulphate
b) Why ethanolic solution is used in the limit test of sulphate?
c) Oxidation state and valance
d) Why Silver nitrate is used in the limit test of chloride?
7. Write short notes on any two of the following :
a) Limit test of Arsenic
b) Periodic Table
c) Calcium carbonate and magnesium oxide
