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Total No. of Questions : 8] *[Total No. of Printed Pages : 2*

Roll No .....

PY-112-CBCS

B.Pharmacy, I Semester (Non-PCI Scheme)

Examination, June 2020

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) Draw neat and well labeled diagram wherever required.

1. Elaborate various sources of impurities in pharmaceutical substances with suitable examples.

2. Explain diagnostic and therapeutic applications of Radiopharmaceuticals.

3. Give modern periodic law; discuss about present form of the periodic table.

4. Explain principles and procedures involved in the limit test of chloride & sulphate.

5. Discuss preparation, properties and uses of Nesslers reagents, Grignard reagent and Potassium permanganate.

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6. Write an exhaustive note on major intra and extra cellular electrolytes; brief about electrolytes used in replacement therapy.

7. Discuss about basic properties, general methods of production and quality control of Radiopharmaceuticals.

8. Write short note on followings (any two):
   a) Oxidation states and chemical reactivity
   b) Preparation and uses of hydrogen peroxide and iodine solution
   c) Essential trace metals

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