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Roll No .....

PY-105 (GS)

B.Pharmacy I Semester Examination, June 2020

Grading System (GS)

Pharmaceutical Chemistry-II

(Inorganic)

Time : Three Hours

Maximum Marks : 70

Note: i) Attempt any five questions.
ii) All Questions carry equal marks.

1. a) Give storage of radiopharmaceuticals.
   b) What is Radio opaque contrast media? Write applications of I131?

2. What are essential and trace elements? Explain the role of iron and iodine in human body along with the disease caused due to their deficiency and excess.

3. What are the various Sources of impurity in pharmaceutical substances? Define the term 'Limit test'. Discuss the principle and procedure of the limit test of sulphate.

4. Define Modern Periodic Law. Discuss the merits of Modern Periodic Table.

5. Discuss preparation, properties and important uses of the following reagent (any three):
   a) Nesslers reagent
   b) Grignard reagent
   c) Potassium Permanganate
   d) Hydrogen peroxide

6. Discuss basic properties, stability and medicinal application of radioisotopes used in pharmacy.

7. Discuss preparation, properties and important uses of the following compounds (any three):
   a) Aluminium hydroxide gel
   b) Calcium carbonate
   c) Silver nitrate
   d) Zinc oxide

8. Write short notes on any two:
   a) Limit test for iron
   b) Assay of zinc sulphate
   c) Stability of radioisotopes
   d) Boron trifluoride reagent

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