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**B.Pharma.
BP104T**

**1st Semester Regular Examination 2017-18
PHARMACEUTICAL INORGANIC CHEMISTRY**

BRANCH : B.Pharma.

Time: 3 Hours

Max Marks: 75

Q.CODE: B1019

Answer Question No.1 which is compulsory and any five from the rest.

The figures in the right hand margin indicate marks.

- Q1 i) Answer the following questions : (2 x 10)**
- a) Define the term antidote with example.
 - b) What is Cathartics?
 - c) What are electrolytes? Give example?
 - d) What is the difference between self life and half life of a drug?
 - e) What are Expectorants used for?
 - f) Why is lead acetate moistened cotton is used in the Limit test of Arsenic?
 - g) What is a radioactive isotope and what are they used for?
 - h) Define the term acidifiers. Give Examples.
 - i) Define Haematinics with two examples.
 - j) What is a Monograph of a drug?
- ii) Answer the following questions (5x1)**
- a) Impurities in pharmaceutical preparation may be due to following sources:
(a) Raw material (b) Manufacturing process
(c) Chemical instability (d) All of the above
 - b) Inorganic antimicrobial agent can be divided into
(a) Oxidation (b) halogenation
(c) Protein precipitate (d) all of the above
 - c) In Bronsted-Lowry concept acid is
(a) Proton donor (b) electron donor
(c) Proton acceptor (d) electron acceptor
 - d) Latest edition of Indian Pharmacopoeia.
(a) 2010 (b) 2014
(c) 2007 (d) 2018
 - e) Antacids are used for treating indigestion which contain
(a) Potassium hydroxide (b) Sodium hydroxide
(c) Magnesium carbonate (d) Magnesium hydroxide
- Q2** Discuss in brief the various sources of impurities. Write down the principle involved in the limit test for Chloride. **(10)**
- Q3** Define buffer solution. Mention the role of buffers in pharmacy. Define the term Isotonicity. How do you measure the tonicity of the fluid? **(10)**
- Q4** Mention the major intra and extracellular electrolytes used in replacement therapy. What is the composition of ORS as per WHO? **(10)**
- Q5 a)** Define dentifrices. Write down the use of Calcium carbonate and Zinc eugenol cement. **(5)**
- b)** What do you mean the term desensitizing agents with example? **(5)**
- Q6 a)** Define and classify antacids with examples. **(5)**
- b)** Mention the ideal properties of an antacid. Write a note on combinations of antacids. **(5)**

- Q7**
- a)** Write short note on emetics and antidote. **(5)**
 - b)** Define and classify astringents with examples. Mention their mechanisms. **(5)**
- Q8**
- a)** What is meant by radioactivity? How do you measure the radioactivity of a compound? **(5)**
 - b)** Write a note on α , β and γ radiation. Mention the importance of Sodium iodide **(5)**