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Total No. of Pages : 02

Total No. of Questions : 10

B.Pharma (2012 to 2016) (Sem.-1)
PHARMACEUTICAL CHEMISTRY-I
(Inorganic Pharmaceutical Chemistry)
Subject Code : BPHM-102
M.Code : 46202

Time : 3 Hrs.

Max. Marks : 80

INSTRUCTIONS TO CANDIDATES :

1. SECTION-A is COMPULSORY consisting of FIFTEEN questions carrying TWO marks each.
2. SECTION-B contains FIVE questions carrying FIVE marks each and students have to attempt any FOUR questions.
3. SECTION-C contains FOUR questions carrying TEN marks each and students have to attempt any THREE questions.

SECTION-A**1. Write briefly :**

- a. Define Emetics.
- b. What do you mean by light and heavy magnesium carbonate?
- c. Give different causes and mechanism of tooth decay.
- d. Werner coordination number.
- e. Define Adsorbents.
- f. Role of nitric acid in chloride limit test
- g. Use of pumice
- h. Define, example and use of non-systemic antacids.
- i. Necessary features of good antioxidant.
- j. Define and classify the protective agents.
- k. Full form and structure of EDTA.

1. Give the importance and mechanism of sodium nitrite as antidote.
- m. What do you mean by saline cathartics?
- n. Define and give example of Combination antacid.
- o. Assay of Hydrogen peroxide.

SECTION-B

2. Method of preparation and assay of **any two** antimicrobial agents.
3. Give the importance and mechanism of electrolyte used in replacement therapy.
4. Explain brief account of inhalants.
5. Give name different types of water.
6. Comment on "*Hypophosphorous acid as an Antioxidant*"

SECTION-C

7. Give common sources of sulphate impurity. Discuss in detail the procedure and reactions in limit test of Sulphate.
8. Write a short note on :
 - a. Astringents
 - b. Dentrifices containing fluorides
9. Explain the various types of complexometric titrations in detail.
10. Give a detailed account on the various sources in final pharmaceutical product.

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.