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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

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- 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.

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- 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-CO

- 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.