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B PHARM
(SEM I) THEORY EXAMINATION 2022-23
PHARMACEUTICAL INORGANIC CHEMISTRY-THEORY

Time: 3 Hours**Total Marks: 75****Note:** Attempt all Sections. If require any missing data; then choose suitably.**SECTION A****1. Attempt all questions in brief.****10 x 2 = 20**

- (a) What is half life?
- (b) Give two examples of dentrifices.
- (c) How do astringents act?
- (d) Define the term monograph.
- (e) What do you mean by E1%.
- (f) Define expectorants with suitable examples.
- (g) Why citric acid is used in limit test of Iron?
- (h) What are the uses of buffers?
- (i) Why formaldehyde is used in assay of ammonium chloride?
- (j) Why silver nitrate is used in limit test of chloride?

SECTION B**2. Attempt any twoparts of the following:****2 x 10 = 20**

- (a) Define cathartics with classification. Explain the methods of preparation, properties and uses of magnesium sulphate.
- (b)
 - (i) Write methods to measure radioactivity.
 - (ii) Explain pharmaceutical applications of radioactive substances
- (c) Define the term impurity. Elaborate the various sources of impurities with examples in detail.

SECTION C**3. Attempt any fiveparts of the following:****7 x 5 = 35**

- (a) Discuss the role of fluoride in treatment of dental caries.
- (b) What are the requirements of an ideal antacid. Write a note on combination of antacids.
- (c) Discuss the method of preparation, properties,uses and assay of ammonium chloride.
- (d) What are antidotes? Give the method of preparation and uses of activated charcoal.
- (e) Discuss function of major physiological ions.
- (f) Describe the principle and apparatus used for limit test of Arsenic alongwith chemical reactions and diagram.
- (g) What are Haematinics? Explain the preparation and assay of GreenVitriol.