

Code No. 13240/Non-CBCS

**FACULTY OF PHARMACY****B. Pharmacy I-Year (Non CBCS) (Backlog) Examination, July/August 2019****Subject : Pharmaceutical Inorganic Chemistry****Time : 3 Hrs****Max. Marks: 80****Note: Answer All questions, All Questions carry equal marks.**

- 1 a) What are Limit Tests? Write the significance of Limit Tests. (4)  
b) Mention the classification of Inorganic Pharmaceuticals based on their applications with examples. (10)

**OR**

- 2 a) Mention the principle, procedure and apparatus involved in the Limit Test for Arsenic with a neat labeled diagram. (9)  
b) Give two characteristic tests for any two cations with chemical reactions. (5)
- 3 a) What are Electrolyte Replenishers? Explain the importance of sodium in the Replacement therapy. (4)  
b) Write the method of preparation, properties, assay and uses of Aluminum Hydroxide gel and calcium gluconate. (5+5)

**OR**

- 4 a) Mention the preparation, properties, limit tests and uses of Magnesium Sulphate and Potassium Chloride. (4+4)  
b) What are Dialysis fluids? Write a note on Haemodialysis fluids. (6)
- 5 a) What are antioxidants? Write the preparation properties and uses of sodium sulphite. (5)  
b) Give a note on Bentonite and Silica gel. (4+5)

**OR**

- 6 Mention the method of preparation, properties assay and uses of following compnd.  
(i) Magnesium stearate (ii) Aluminum sulphate (iii) Zinc Chloride. (4+5+5)
- 7 a) What are Expectorants? Write the preparation properties, assay and uses of Ammonium Chloride and Potassium Iodide. (1+4+4)  
b) Write a note on Inhalants. (5)

**OR**

- 8 Give the preparation, properties, limit tests and uses of:  
(i) Copper sulphate (ii) Sodium thiosulphate (iii) Sodium nitrite (5+5+4)
- 9 a) What are Dentifrices? Write the preparation, properties and uses of calcium carbonate and Zinc oxide. (1+3+3)  
b) Give a note on Activated Dimethicone and Plaster of Paris. (4+4)

**OR**

- 10 Give the preparation, properties, assay and uses of  
(i) Potassium Permanganate (ii) Iodine (iii) Barium Sulphate (5+5+4)

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