

## FACULTY

**B. Pharmacy I–Year (Non CBCS) (Backlo ) Examination, December 2018**

**Subject : Pharmaceutical Inorganic Chemistry**

**Time: 3 Hrs**

**Max. Marks: 70**

**Note: Answer all questions. All questions carry equal marks.**

1. (a) i) Explain the principle, procedure and the role of reagents involved in the limit test for Iron and chlorides 5+5  
 ii) Write two confirmations tests for sodium and bicarbonate ions 4  

**(OR)**

 (b) i) Explain the classification of Inorganic pharmaceuticals based on use with examples 9  
 ii) Mention the principle and procedure involved in the limit test for heavy metals 5
2. (a) i) Define and classify acidifiers or acidifying agents 4  
 ii) Mention the method of preparation, properties, assay and uses of sodium chloride and potassium citrate 5+5  

**(OR)**

 (b) i) What are adsorbents? Write a note on Heavy kaolin 6  
 ii) Mention the preparation, properties, limit tests & uses of sodium phosphate and manesium trisilicate 4+4
3. (a) i) What are suspending agents? Write a note on colloidal silica and Activated charcoal 9  
 ii) Mention the method of preparation and uses of Aluminum phosphate and sodium metabisulphite 5  

**(OR)**

 (b) i) Explain the method of preparation, properties, and uses of 5+4+5  
 ii) Ferric Fumarate (ii) Manesium Stearate (iii) Zinc Chloride
4. (a) i) Define and classify expectorants with examples 5  
 ii) Write the preparation, assay and uses of Zinc Sulphate and Potassium Iodide 4+5  

**(OR)**

 (b) Mention properties and uses of i) Sodium nitrite ii) Nitrous oxide 3+3+4+4  
 iii) Potassium antimony tartarate iv) Ammonium chloride
5. (a) Mention properties and uses of i) Ammoniated mercury ii) Calcium carbonate 3+4+4+3  
 iii) Potassium perchlorate iv) Cisplatin  

**(OR)**

 (b) i) What are Astringents? Write the method of Preparation and uses of copper sulphate and stannous fluoride  
 ii) Mention, Preparation, assay and uses of Boric acid and Hydrogen peroxide

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