

## FACULTY OF PHARMACY

### B. Pharmacy I-Year (Non-CBCS) (Backlog) Examination, December 2019

#### Subject : Pharmaceutical Inorganic Chemistry

**Time: 3 Hrs**
**Max Marks: 70**

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

1. a) Explain the Principle and Procedure involved in the Limit test for heavy metals and Iron 5+3  
 b) Mention two Characteristic tests for any one cation and anion with chemical reactions 6  

**OR**

 c) Explain the classification of Inorganic Pharmaceuticals based on their therapeutic classes with examples 10  
 d) What is quality control? Write a note on tests for purity 4
  
2. a) What are antacids? Write the method of preparations properties, assay and uses of magnesium carbonate and sodium phosphate 1+8  
 b) Write a note on Haemodialysis fluids 5  

**OR**

 c) Mention the method of preparation, properties, assay and uses of potassium chloride and calcium gluconate 5+5  
 d) Explain abt one adsorbent in detail. 4
  
3. a) Explain the method of preparation, properties, limit tests and uses of (i) Aluminium Stearate (ii) Sodium Sulphite (iii) Titanium Oxide 9  
 b) Give a brief note on purified water 5  

**OR**

 c) What are Haematinics? Mention the method of preparation, properties and assay of fesss sulphate 1+5  
 d) Give a brief note on Silica gel and Bentonite 8
  
4. a) Mention the method of preparation, Properties assay and uses of (i) Ammonium chloride (ii) Copper Sulphate (iii) Potassium antimony fastarak 12  
 b) Write a note on Nitr Oxide 2  

**OR**

 c) What are antidotes? Explain abt the antidotes used in cyanide poisoning in detail 10  
 d) Give the preparation, properties, assay and uses of potassium Iodide 4
  
5. a) Give the method of preparation, properties, assay and uses of (i) Silver nitrate (ii) Calcium Caronate (iii) Boric acid (iv) Zinc Sulphate 3.5x4=14  
 b) What are antincoplastic agents Give one example 2  

**OR**

 c) Give a brief note on zinc oxide & Barium sulphate 4+4  
 d) Write abt Astringents 4

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