

**FACULTY OF PHARMACY**  
**Pharm. D (6 YDC) I-Year (Instant) Examination, March 2018**

**Subject : Pharmaceutical Inorganic Chemistry**

**Time : 3 Hours****Max. Marks: 70**

**Note: Answer all questions from Part – A, answer any five questions from Part-B.**

**PART – A (10 x 2 = 20 Marks)**

- 1 Write the preparation of 0.2M perchloric acid.
- 2 Define primary and secondary standards with examples?
- 3 Define errors and classify them?
- 4 What is Common ion effect?
- 5 What are masking and demasking agents?
- 6 Write the preparation and uses of Magnesium sulphate.
- 7 Define antacids with examples.
- 8 Explain the uses of bentonite.
- 9 Write the composition of Oral rehydration salt.
- 10 Write the preparation and uses of sodium bisulphate.

**PART – B (5 x 10 = 50 Marks)**

- 11 Explain the neutralization curve of following titrations and calculate equivalence point and pH  
(a) Strong acid – strong base (5)  
(b) Weak acid – strong base (5)
- 12 Explain various steps involved in gravimetric analysis and enlist any two applications. (8+2)
- 13 (a) List out various pM indications and explain in detail about any two indicators. (3+3)  
(b) Explain Volhard's method. (4)
- 14 Explain the preparation, properties, assay and uses of aluminum hydroxide gel. (2+2+4+2)
- 15 Explain the physiological role of copper and zinc. (5+5)
- 16 Write the principles, apparatus and procedure involved in limit test for Arsenic. (3+3+4)
- 17 (a) Write about method of preparation, assay and uses of calcium gluconate. (2+3+1)  
(b) Write about end point detection in Redox titrations. (4)
- 18 (a) Write about types of solvents used in non-aqueous titrations. (6)  
(b) Write the preparation and uses of Ammonium chloride and Nitrous oxide. (2+2)

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