**B. Pharm 1st Semester Examination**

**Subject- Pharmaceutical Inorganic Chemistry (BPI04T)**

 **Full Marks- 75 Time – 3 hours**

 **Answer all questions:**

**1. Answer all. (10x2=20)**

 **(a) Why HCL is used in the limit test of sulphate?**

 **(b) What are conjugate acid-base pairs?**

 **(c) What is acidosis?**

 **(d) What are electrolytes, Give examples.**

 **(e) Define denitrifies and dental caries.**

 **(f) How stannous fluoride is prepared?**

 **(g) What is Achlorhydria?**

 **(h) Define laxatives.**

 **(i) What are haematinics?**

 **(j) What is hypokalaemia?**

**2. Answer any two questions: (2x10=20)**

 **(i) Define Radioactivity? Explain in detail about Radioactive rays?**

**(ii) Explain in detail about antimicrobial agents? Classify them according to their mode of action.**

**(iii) Describe in detail about the saline cathartics with examples.**

**3. Answer any seven questions: (7x5=35)**

 **(i)What is the method of preparation of Magnesium Sulphate?**

 **(ii) What are the pharmaceutical uses of Kaolin?**

 **(iii) Explain with examples about the protective and Adsorbents?**

 **(iv) What are the ideal characteristic of an Antacid?**

 **(v) How would you prepare Magnesium carbonate?**

**(vi) Give the method of preparation, Properties and uses of sodium fluoride?**

**(vii) Write a brief note on ORS.**

**(viii) What is Buffer Solution? How many types of buffer solutions are there? Explain.**

**(ix) Describe preparation, Properties and uses of**

 **(a) Boric acid**

 **(b) Borax**