**ARKA JAINUniversity, Jharkhand**

1st Semester 2nd Internal Examination – 2023-2024



**Subject: Pharmaceutical Inorganic Chemistry (Theory)**

**Course: B. Pharm** **Full Marks: 30**

**Time: 1hr**

* **All Questions are compulsory**.

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| 1. **Multiple Choice Questions** |
| 1. **Which acid is found in citrus fruits?**   **a. Hydrochloric acid b. Acetic acid**  **c. Citric acid d. Sulfuric acid**   1. **A solution with a pH of 9 is considered:**   **a. Neutral b. Acidic**  **c. Basic d. Amphoteric**   1. **A solution with a pH of 7 is:**   **a. Acidic b. Neutral**  **c. Basic d. Alkaline**   1. **Which acid is produced in the stomach to aid digestion?**   **a. Lactic acid b. Hydrochloric acid**  **c. Phosphoric a d. Butyric acid**   1. **Long-term use of antacids containing magnesium can potentially lead to:**   **a. Hypertension b. Diarrhea**  **c. Osteoporosis d. Yellow fever**   1. **Which of the following is considered a haematinic?**   **a. Vitamin C b. Iron**  **c. Vitamin B12 d. All of the above**   1. **Which haematinic is necessary for the synthesis of red blood cells?**   **a. Folic acid b. Vitamin D**  **c. Vitamin K d. Vitamin E**   1. **What are astringents primarily known for?**   **a. Increasing blood flow b. Reducing inflammation**  **c. Contracting tissues d. Promoting digestion**   1. **In which of the following conditions might astringents be used orally?**   **a. Sore throat b. Allergic reactions**  **c. Muscle cramps d. Headaches**   1. **Which of the following best defines cathartics?**   **a. Substances that promote urination b. Medications that reduce fever**  **c. Agents that induce vomiting d. Substances that promote bowel movements** |
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| 1. **Long Answers (Answer 1 out of 2)** |
| **1. Write about Gastrointestinal agents and their classification. Explain acidifiers with an example.**  **2. Define poison and antidote with their classification.** |
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| 1. **Short Answers (Answer 2 out of 3)** |
| **1. How are radiopharmaceuticals regulated to ensure safety and efficacy in clinical use?**  **2. What role do haematinics play in human health, particularly in blood disorders?**  **3. How do expectorants differ from other respiratory medications like bronchodilators or antihistamines?** |
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