**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**$\left(10×1=10\right)$

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| 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)** $\left(1×10=10\right)$
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|  **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)**$ (2×5=10)$
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|  **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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