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**Annual Examination, 2022-2023 (Modal Paper)**

**Course Name: PHARMA**

**Year: FIRST YEAR**

**Branch: Pharm. D**

**Subject: PHARMACEUTICAL INORGANIC CHEMISTRY**

**Time: 3 Hours**

**Max.marks:70**

**Note :- Attempt all parts.**

### **PART- A**

**QUESTION NO. 1 TO 15, ATTEMPT ALL QUESTIOS**

**(15x1=15)**

1. Define the errors.
2. What is volumetric analysis and its type.
3. List out the advantage and disadvantage of redox titration.
4. Name the indicator is used in acid base titration.
5. Application of non aqueous titration.
6. When Complexometric titration is used.
7. Write the principle of gravimetric titration.
8. List out application of limit test.
9. What are the dental products?
10. Discuss the importance of radio pharmaceuticals.
11. Utilization of pharmaceutical aid.
12. Some examples of cathartics.
13. What are the conditions to use antacid?
14. Enumerate medicinal gases.
15. Difference between essential and trace elements.

**(PART -B)**

**QUESTION NO. 16 TO 18, ATTEMPT ANY 2**

**(2x10=20)**

16. What are the dentifrices with examples, and give details information of pm indicators.
17. List out the clinical application of hazard and precautions of radio pharmaceuticals.
18. Discuss the non aqueous titrations and gravimetric titration, and its pharmaceutical applications.

**(PART-C)**

**QUESTION NO. 19 TO 27, ATTEMPT ANY 7**

**(5x7=35)**

19. Discuss the Complexometric titration in detail.
20. Conclude the limit test of sulphate.
21. Explain the concept of redox titration.
22. Summarize short note on masking and damasking agents.
23. Discuss the physiological role of calcium and potassium.
24. Explain the theory of indicator.
25. Utilization of antidote and sodium nitrite.
26. Discuss about acid neutralizing capacity of antacids.
27. What are the pharmaceutical importance of medicinal gases.