

ANNAI VIOLET ARTS AND SCIENCE COLLEGE
DEPARTMENT OF CHEMISTRY

CONTINUOUS INTERNAL ASSESSMENT - I
Subject: GENERAL CHEMISTRY III

Class : II B.Sc., Chemistry
Max.Marks : 50

Date : 02.09.2022-FN
Sub.Code: SD23A

PART A ($5 \times 2 = 10$ Marks)
Answer any FIVE questions

1. Write any four unique features of nitrogen?
2. Mention the Oxo acids of phosphorous.
3. Define Caro's acids.
4. Chlorine acts as a bleaching agent. How?
5. What are interhalogen compounds? Give an example.
6. Mention any two anomalous behavior of fluorine.
7. What is nucleophilic substitution reaction?

PART B – ($2 \times 5 = 10$ Marks)
Answer any TWO questions

8. Describe the preparation, uses and structure of Hydroxylamine
9. Describe the preparation, properties and structure of phosphorous pent oxide
10. Difference between SN1 and SN2 reaction

PART C – ($3 \times 10 = 30$ Marks)
Answer ALL questions

11. Discuss the manufacture of nitric acid by Ostwald process.
12. Explain the preparation, properties and structure of XeF₆
13. Write note SN₁ reaction.

Prepared by
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