

B.Sc. DEGREE EXAMINATION, APRIL 2020
II Year IV Semester
General Chemistry-VII

Time : 3 Hours

Max.marks :60

Section A ($10 \times 1 = 10$) Marks

Answer any **TEN** questions

1. State Huckel's rule.
2. What is Friedal Craft's alkylation?
3. What do you mean by NPK fertilizer?
4. How is hydrazoic acid prepared?.
5. Define amphoteric oxide.
6. What is allotropy?
7. What are silicones?
8. Mention any one preparation of borazine.
9. Give four examples for toxic elements.
10. Mention the deficiency diseases of iron..
11. List out the per acids of sulphur.
12. Give the structure of metaphosphorus acid.

Section B ($5 \times 4 = 20$) Marks

Answer any **FIVE** questions

13. With specific example discuss sulphonation.
14. Discuss about the preparation and uses of per nitric acid..
15. Write an account of normal oxides and peroxides.
16. How are siloxanes prepared? Mention their uses.
17. Explain the classification of metals according to biological action.
18. Discuss the preparation and properties of thionyl chloride.
19. Write note on application of phosphates

Section C ($3 \times 10 = 30$) Marks

Answer any **THREE** questions

20. Discuss the directive influence of substituent on incoming group in aromatic compounds.
21. Write a brief account of chemistry of nitric acid
22. Discuss the general characteristics of oxygen family.
23. Classify the inorganic polymers and discuss their preparation and applications.
24. Discuss the toxic effect of Hg, Pb, and As..

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