

GOVERNMENT COLLEGE (A), RAJAMAHENDRAVARAM
I B.Sc. O R G A N I C CHEMISTRY
SEMESTER – II QUESTION PAPER BLUE PRINT
Course -4: FUNDAMENTALS OF ORGANIC CHEMISTRY

TIME: 2¹/₂ hrs.

MARKS: 50 M

PART -A

Answer ALL the Questions

5 x 7 = 35 M

1. 2 Questions from UNIT- I
2. 2 Questions from UNIT- II
3. 2 Questions from UNIT-III
4. 2 Questions from UNIT IV
5. 2 Questions from UNIT-V

PART – B

Answer any FIVE Questions

5 x 3 = 15 M

6. 2 Question from UNIT- I
7. 2 Questions from UNIT- II
8. 1 Question from UNIT- III
9. 1 Questions from UNIT- IV
10. 2 Questions from UNIT- V

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MODEL PAPER (From 2023-234)
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Time: 2¹/₂ hrs.

Maximum Marks: 50

PART- A

Answer ALL the questions. Each carries SEVEN marks

5 x 7 = 35 M

1. What is inductive effect? Explain its applications
(OR)
2. Explain types of organic reactions with examples
3. Explain the preparation methods and chemical properties of alkenes
(OR)
4. Explain 1,2 – and 1,4 – addition reactions in conjugated dienes
5. Write the preparations and chemical properties of alkynes
(OR)
6. Explain the chemical properties of higher alkynes
7. Explain the preparation and chemical properties of cycloalkanes
(OR)
8. How Baeyer strain theory is used for explaining the stability of cycloalkanes?
9. Explain the concept of aromaticity based on Huckels rule
(OR)
10. Explain aromatic substitution reactions of Benzene

PART- B

Answer any FIVE of the following questions. Each carries THREE marks 5 x 3 = 15 M

11. Write briefly about organic reagents
12. Explain the acidity of phenols by using mesomeric effect
13. Discuss Markonikov's rule
14. What is Diels - Alder reaction? Give example
15. Write briefly about the acidity of alkynes
16. What are cyclo alkanes? Give example
17. What are ring activation groups? give example
18. Differentiate between benzenoid and non – benzenoid aromatic compounds