

SEMESTER	Y	QP CODE	1913	REG NO.															
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P.R. GOVERNMENT COLLEGE (AUTONOMOUS), KAKINADA

PG ODD SEMESTER END EXAMINATIONS-~~XXXX~~-~~XXXX~~ 11-2023

I M. Sc., : ORGANIC CHEMISTRY & ANALYTICAL CHEMISTRY

PAPER 3 : ORGANIC CHEMISTRY

DATE	17.04.2023	SESSION	FN	MAX. MARKS	75	TIME	3 HRS
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SECTION -A (4×15=60)

Answer all the Questions Each Question Carries 15 Marks 4×15=60 marks

- A) Explain the role of Inductive effect, Mesomeric effect (resonance) and Hyper conjugation in organic molecules.
(Or)
B) Describe the structure, reactivity and generation of carbon free radicals and carbenes
- A) How do you classify organic compounds into cis-trans, E-Z and Syn-anti nomenclature
(Or)
B) Discuss on the conformations of cyclopentane, cyclohexane..
- A) Describe the synthesis and reactivity of the Quinoline and Isoquinoline systems
(Or)
B) Write notes on i) Pyridazine ii) Pyrimidine and Pyrazine
- A) Explain the synthesis of Quinine
(Or)
B) Write the structure elucidation of camphor

SECTION -A (5×3=15)

Write any FIVE questions each question carries 3 marks (5×3=15 marks)

- State and explain Huckel's rule
- Explain about Non benzoid compounds
- Define invertomer, Homomer
- Molecular symmetry
- Structure of Isoxazole
- Physiological importance of quinine
- Illustrate Atropidoeism
- Differentiate between conformation and configuration

