



SHREE H. N. SHUKLA GROUP OF COLLEGES

(AFFILIATED TO SAURASHTRA UNIVERSITY & GTU)

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M.Sc. Chemistry Internal/prelims exam

Semester II C-202 Organic chemistry

Time: 1 hour

Date: --/--/----

Total marks: 30

Q 1. Give the answer of following questions (1 marks each)

5 marks

1. Define the term HOMO.
2. Explain that pericyclic reaction is known as no mechanism reaction.
3. Define con rotatory motion.
4. Define disrotatory motion.
5. Define LUMO.

Q 2. Give the answer of following questions (2 marks each)

10 marks

1. Write the properties of pericyclic reaction.
2. Draw the Π -MO of allyl system.
3. Explain ring opening and ring closing with one example.
4. Write down the reaction for [2+2] Diels Alder reaction?
5. Explain the HOMO and LUMO with the example of ethylene?

Q 3. Give the answer of following questions (5 marks each)

15 marks

1. Explain Diel's Alder reaction with stereochemistry.
2. What is pericyclic reaction? Give the classification of pericyclic reaction
3. Write note of different type of ion exchangers.

***** All the Best*****