KATWA COLLEGE

4th SEMESTER INTERNAL ASSESSMENT EXAMINATION, 2021

SUBJECT: CHEMISTRY (Hons.)

COURSE CODE: CC-10

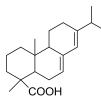
COURSE TITLE: Organic Chemistry-IV (Theo)

DATE: 07.07.2021 FULL MARKS: 10 TIME: 1 HOUR 30 MINUTES

Answer any five questions:

5 X 2 = 10

Q1. Calculate the λ_{max} value of the following compound:



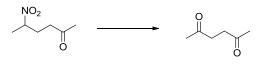
Q2. Explain the following observation:

bond	$\sim \overline{\nu}, cm^{-1}$
с—н	3000
CD	2200

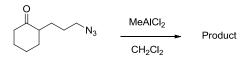
Q3. Synthesize the following compound:



Q4. Carry out the following conversion:



Q5. Identify the following product:



Q6. Mention a technique for the separation of ethylamine and diethylamine.

Send your answer script in pdf format within 12.30 pm mentioning your University Roll No. in the subject line to <u>sm.missionexam@gmail.com</u>