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COLLEGE- MHS

DEPARTMENT – PHARMACY

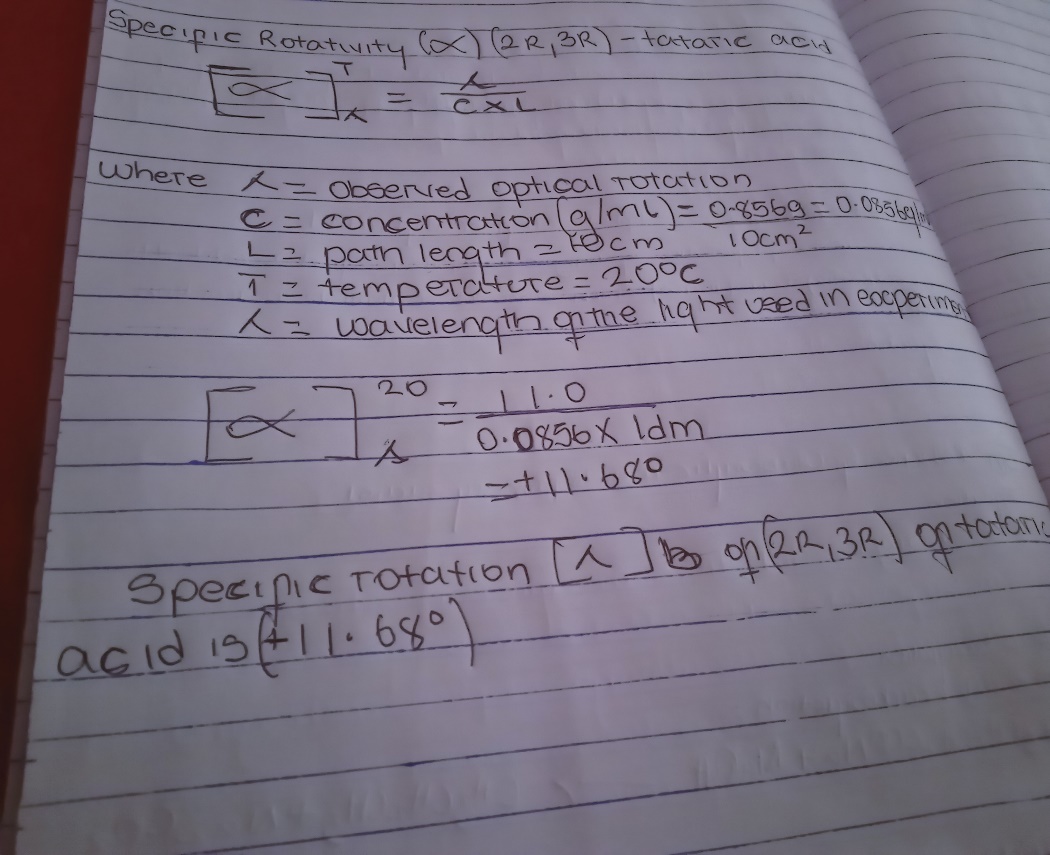
MATRIC NO- 19/MHS11/117

COURSE CODE- CHM 102

**QUESTION 1**-Name the functional groups present in each of the following molecules

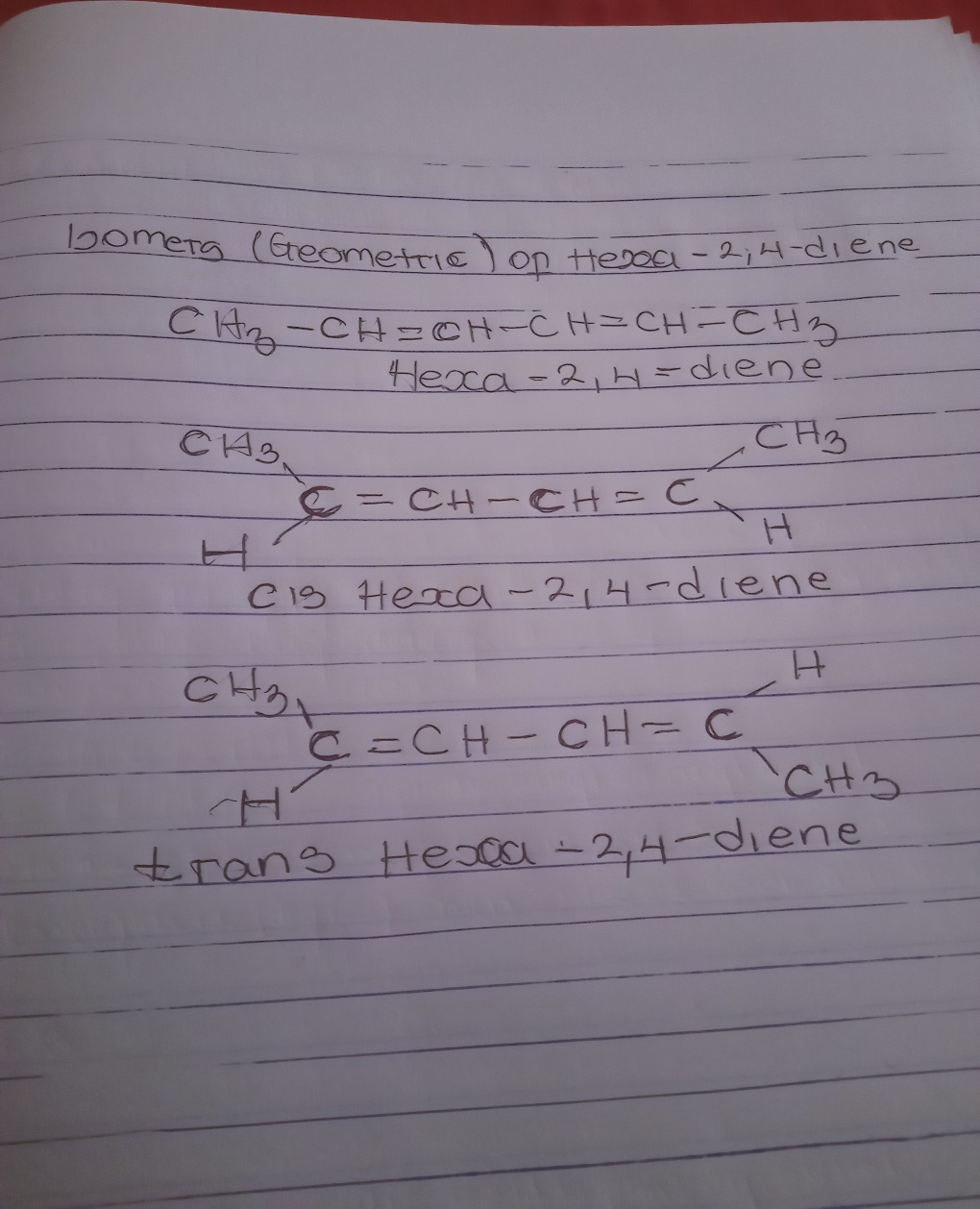
1. CH2=C(OH)HCHO –Carbonyl group
2. (ii) C6H5CH(NH2)COCH3 –carbonyl group
3. (iii) CH3C=CHCH(OH)CHO –carbonyl group

**QUESTION 2**- A 0.856 g sample of pure (2R, 3R)-tatrtaric acid was diluted to 10cm3 with water and placed in a 1.0 dm polarimeter tube. the observed rotation at 200 C was +1.00. Calculate the specific rotation of (2R, 3R)-tatrtaric acid.



**QUESTION 3**-. Draw the possible geometric isomers (where possible) for each of the following compounds:

1. Hexa-2,4-diene



1. (ii) 2,3-Dimethylbut-2-ene

