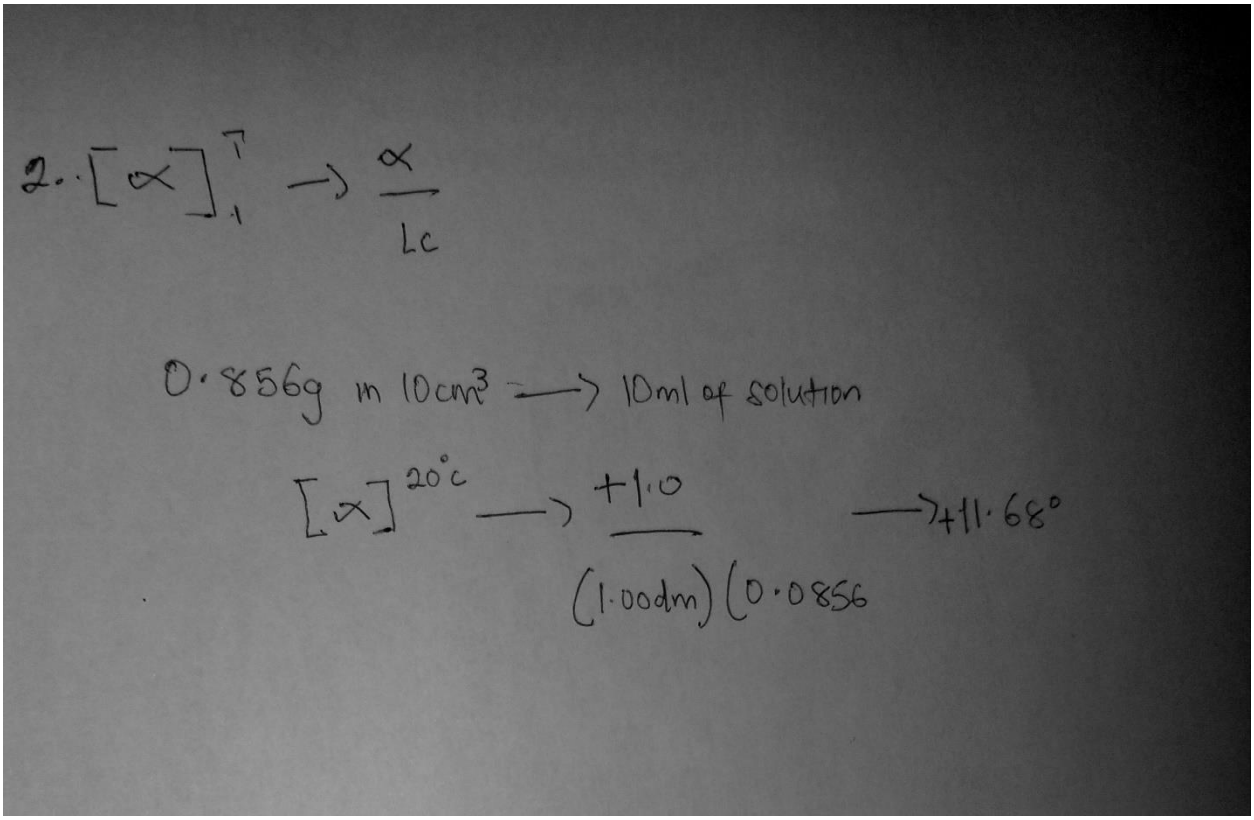
AINA OLUWAGBOLAHAN EMMANUEL
MATRIC NUMBER: 19/ENG04/002
ELECTRICAL/ELECTRONICS DEPARTMENT
CHM 102

1. $CH_2=C(OH)HCHO$ ---- ALKANOL AND ALDEHYDE
   $C_6H_5CH(NH_2)COCH_3$ --- AMINE AND KETONE
   $CH_3C=CHCH(OH)CHO$ --- ALKANOL AND ALDEHYDE



3.(i) Hexa-2,4-diene

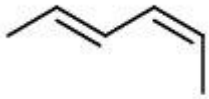
The four possibilities are (E, E), (E, Z), (Z, E), and (Z, Z).

However, (E, Z) and (Z, E) are identical.

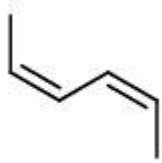
(2E,4E)-hexa-2,4-diene

 (2E,4E)-hexa-2,4-diene#

(2E,4Z)-hexa-2-4-diene

 (2E,4Z)-hexa-2-4-diene

(2Z,4Z)-hexa-2-4-diene

 (2Z,4Z)-hexa-2-4-diene

(ii). 2,3-Dimethyl but-2-ene