1.0 Electrostatics

Electrostatics is the branch of Physics which deals with the study of electric charges at rest.

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MBBS
Stereochemistry

I Name the Functional group in each of the following molecules

i. $CH_2=C[OH]HCHO$
Functional Group: Alkene, Alcohol, Aldehyde.

ii. $C_6H_5CH[NH_2]COCH_3$
Functional Group: Amide, Ketone

iii. $CH_3C=CHCH[OH]CHO$
Functional group: Alkene, Alkanol, Aldehyde

2. Solu

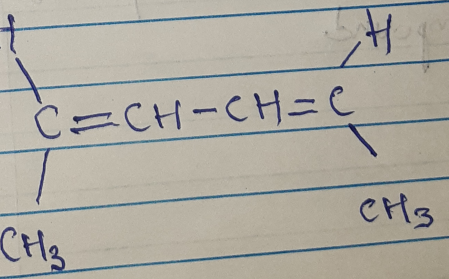
Specific Rotation = Observed Rotation (degree) / (Conc. in g/cm^3) × path length of sample in dm

Specific Rotation = $\frac{1}{0.856g/10cm^3 \times 1}$

$= 11.7 g^{-1} cm^3 dm^{-1}$ //

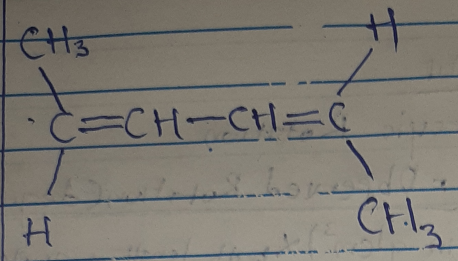
3) Draw the possible geometric isomers (where possible) for each of the following compounds.

i) Hexa-2,4-diene ($CH_3CH=CH-CH=CH-CH_3$)



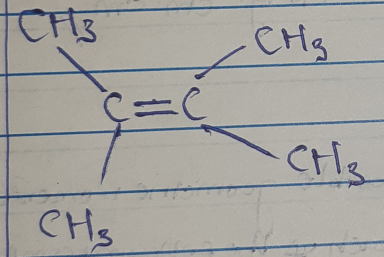
of Hexa-2,4-diene.

Electric charge is a physical property of ...
when ne...



Trans Hexa-2,4-diene

4) 2,3-Dimethyl but-2-ene.
$(CH_3C(CH_3)=C(CH_3)CH_3)$



There are no isomers for this compound.