

Goldpuder

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Dept: MBSB/MATHS

Course code: CHM 102

### Assignment

1:  $\text{CH}_2 = \text{C}(\text{OH})\text{HCHO}$ : has alkene group,

aldehyde group & hydroxyl group

(ii)  $\text{C}_6\text{H}_5\text{CH}(\text{NH}_2)\text{COCH}_3$ : Amine group, alkyl group

(iii)  $\text{CH}_3\text{C} \equiv \text{CCH}(\text{OH})\text{CHO}$ : alkyne group, hydroxyl group and aldehyde group.

### 2. Calculation

0.856g in 10ml of solution

1cm<sup>3</sup> = 1ml

10ml = 10ml

0.856 x 10 = 0.0856 g/cm

SI = 1.0°

$\frac{(1.0)(0.0856)}$

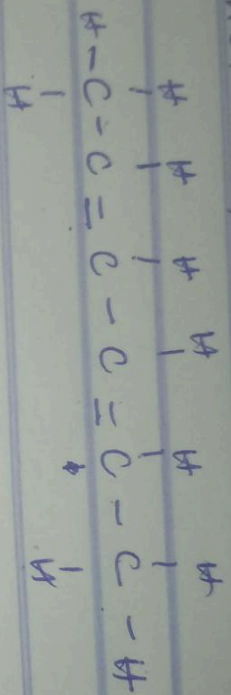
≈ 11.65

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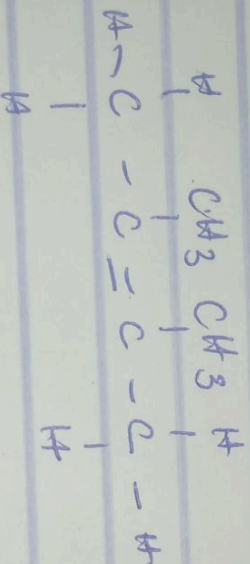
The specific rotation of (2R, 3R) tartaric acid = +11.65

3 possible geometric isomers.

(1) Hexa-2,4-diene



(ii) 2,3 dimethyl but-2-ene



OR

