

ODIA JESSICA SFUN

19/MHS01/279

MBSB

- i) $\text{CH}_2 = \text{C}(\text{OH})\text{HCHO}$
- ii) $\text{C}_6\text{H}_5\text{CH}(\text{NH}_2)\text{COCH}_3$
- iii) $\text{CH}_2\text{C} = \text{CHCH}(\text{OH})\text{CHO}$

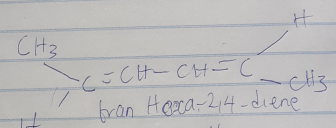
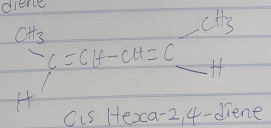
- (i) Aldehyde, alkene, Alkanol
- (ii) Aminals and Ketones
- (iii) Alkene, Alkanol, Aldehyde

2) Observed rotation = 1.0
 concentration = $\frac{0.856\text{g}}{10\text{cm}^3} = 0.0856\text{g/cm}^3$

length of sample cell = 1.0 dm

i.e. $S \cdot R = D \cdot R$
 $\frac{\text{Concn}(\text{g/cm}^3) \times \text{Path length sample}}{=}$
 $0.0856 \times 1 = 11.68^\circ \text{g}^{-1} \text{cm}^3 \text{dm}^{-1}$

3) i) Hexa-2,4-diene



ii)

