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Matric Number: 19/ENG05/024

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i) $\text{CH}_2=\text{C}(\text{OH})\text{HCHO}$ - ~~ethen~~ α -alkene

ii) $\text{C}_6\text{H}_5\text{CH}(\text{NH}_2)\text{COCH}_3$ - Amine

iii) $\text{CH}_3\text{C}=\text{CHCH}(\text{OH})\text{CHO}$ - alcohol

2 $n = 0.856\text{g}$

$$v = 10\text{cm}^3$$

$$1\text{cm}^3 = 1\text{ml}$$

$$\therefore v = 10\text{ml}$$

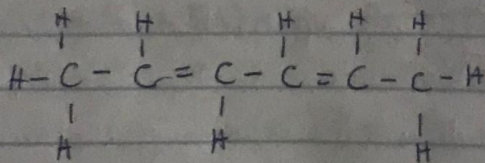
$$l = 1\text{dm}$$

$$d = 1.0$$

$$\therefore [\alpha] = \frac{d}{c \times l} = \frac{1}{0.0856 \times 1} = 11.68$$

$$\therefore [\alpha]_{(2A, 3A)}^{20} = 11.68$$

3) Hexa-2,4-diene



ii) ~~2,3-Dimethyl~~ 2,3-Dimethylbut-2-ene

