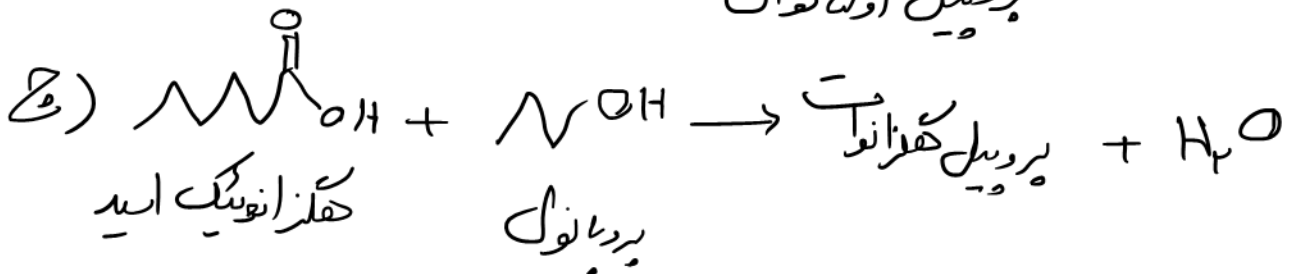
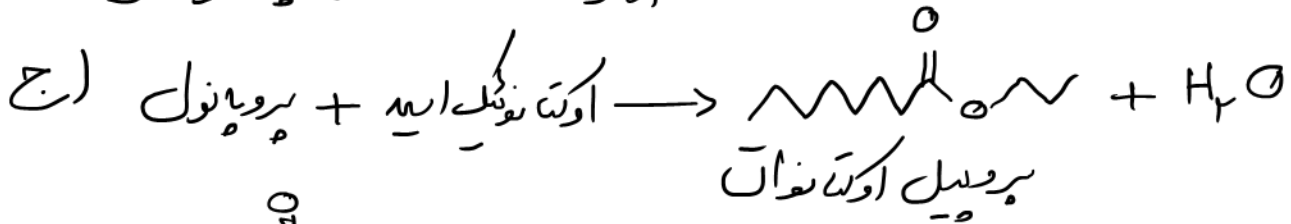
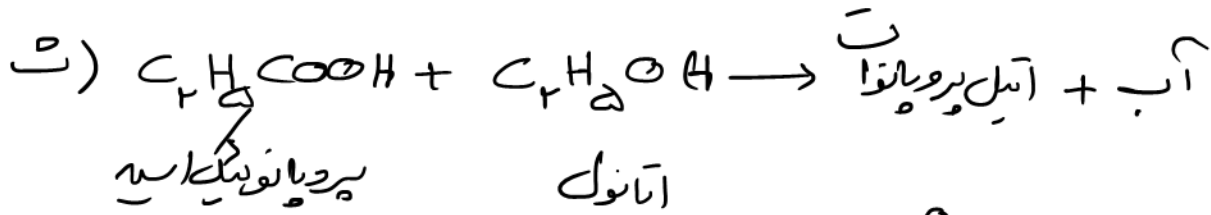
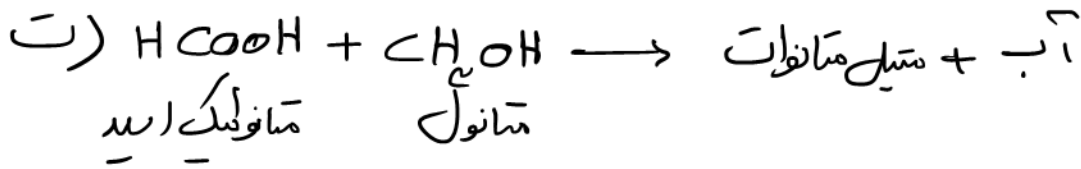
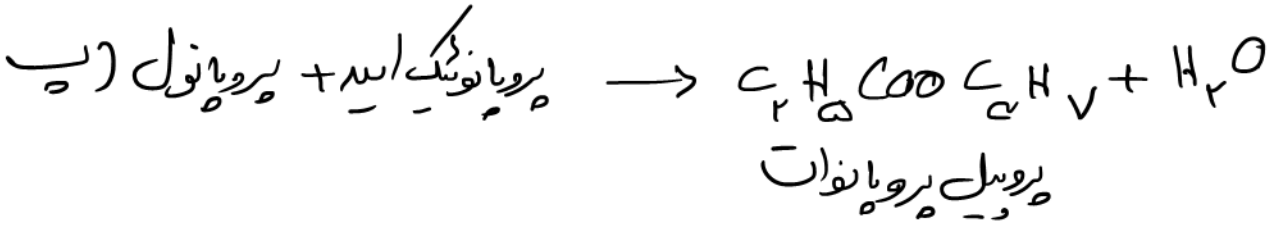
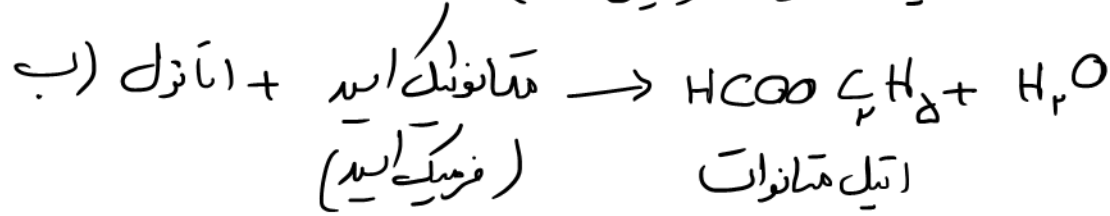
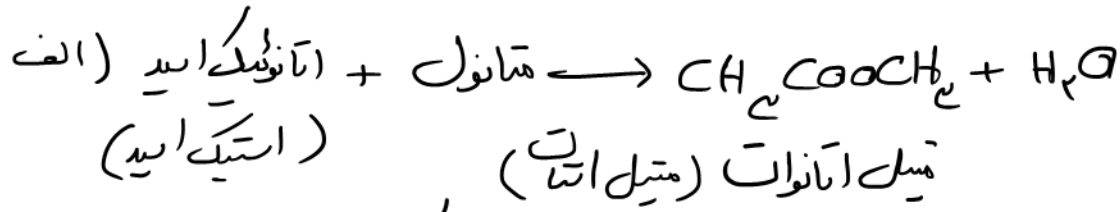


” بسمِ تعالیٰ “

حل سوالات ۲ تا ۲۱ فصل ۳ شیمی یازدهم

۲۰-



۲۴- الف) اِتیلِ پروپانوات

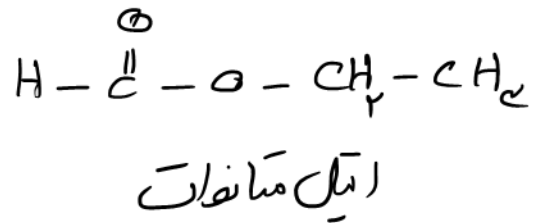
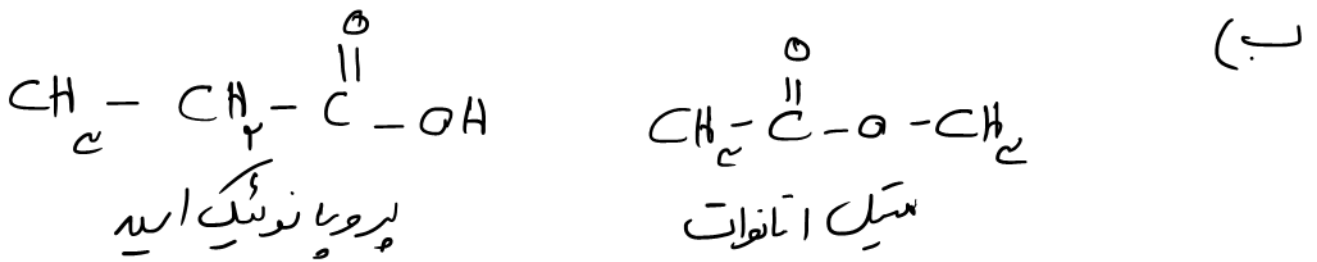
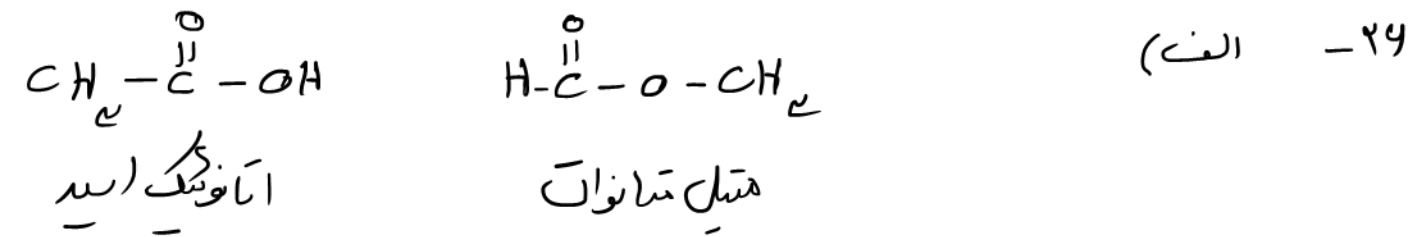
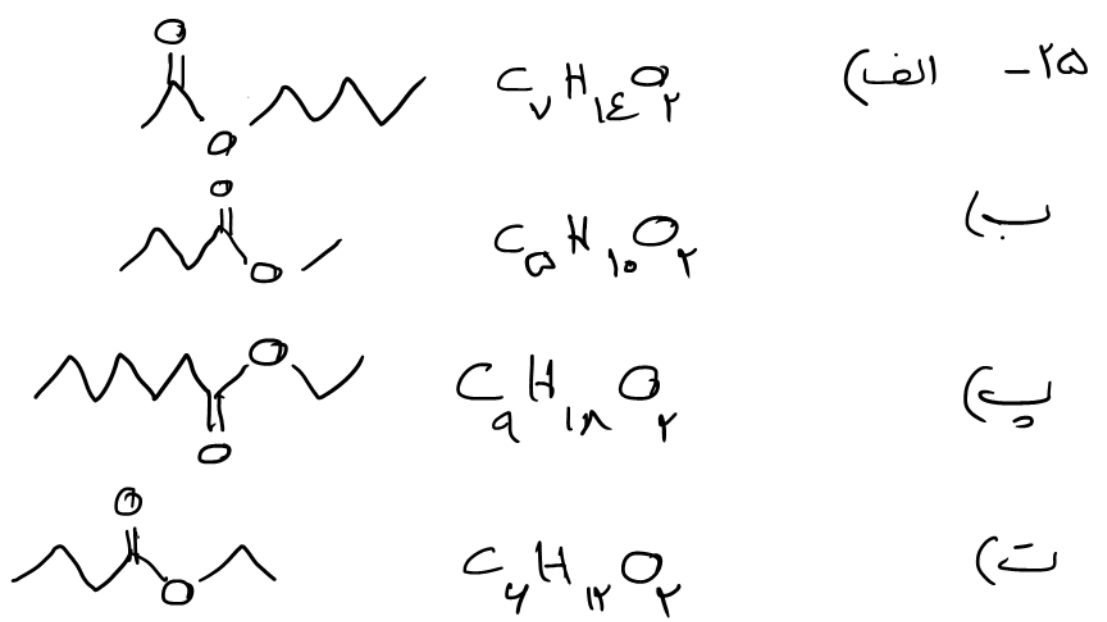
ب) $\text{C}_2\text{H}_5\text{O}_2$ (ث)

ج) $\text{C}_5\text{H}_{11}\text{OH}$ یا $\text{C}_5\text{H}_{13}\text{O}$ (ح)

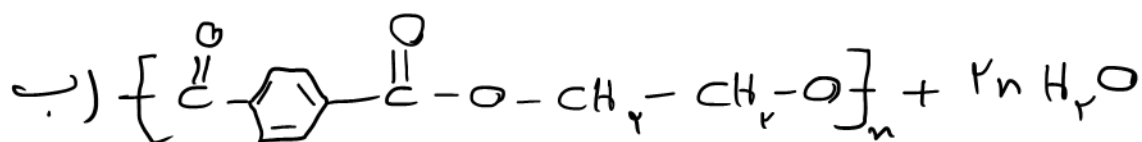
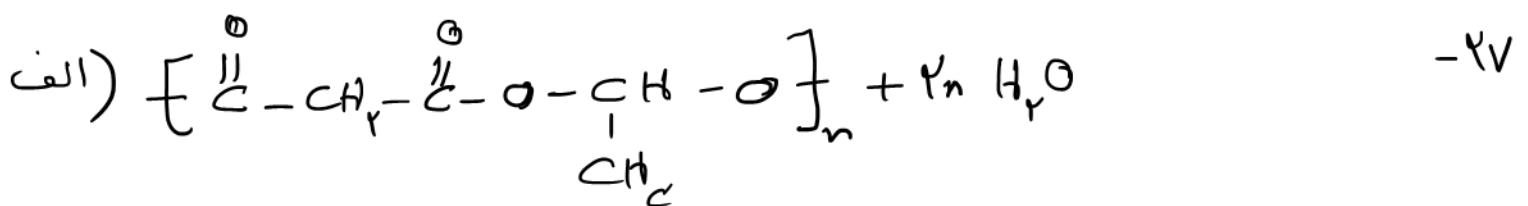
د) مِتانول

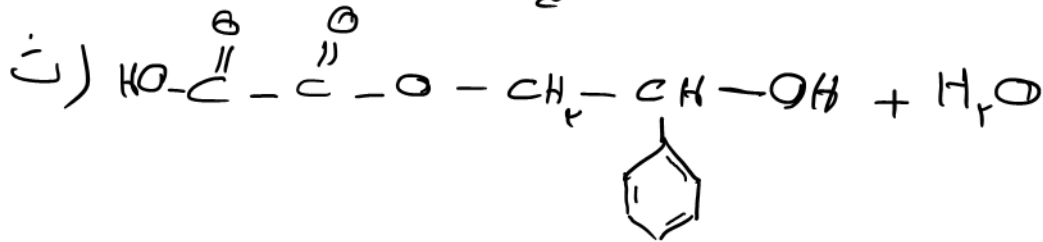
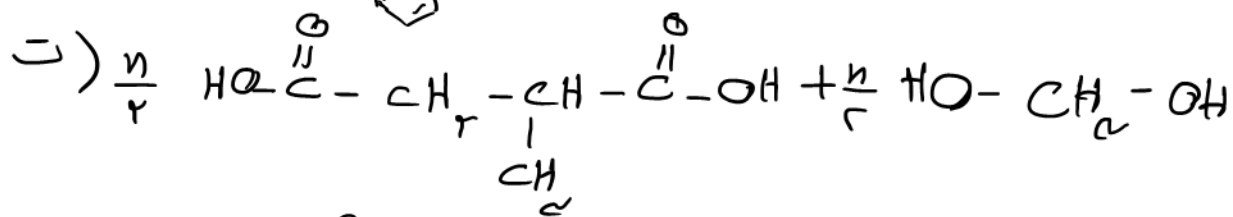
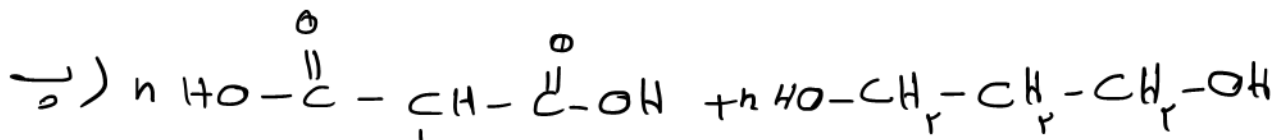
ه) اِتانویک اسید (استیک اسید)

ت) $\text{C}_2\text{H}_5\text{O}_2$

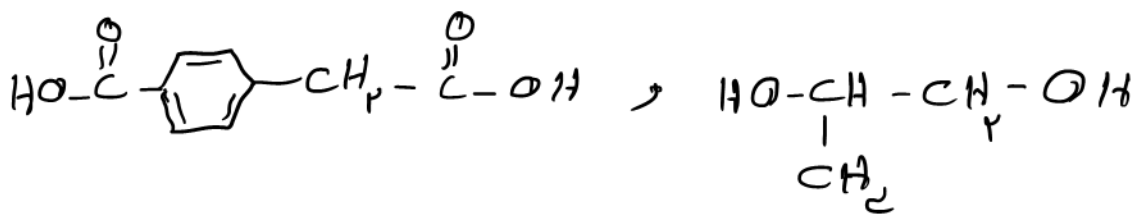


نقہ نمبر کربوکسیلیک اسیدھا از اینزومچای استری هم کریں ان کا بلا تراسہت چرانکہ بہ دلیل وجود H متصل بہ O میں توانائی پونہ حد پورنی تک کل دھندہ درحالی کہ استرھامین (مکانی نہارند۔



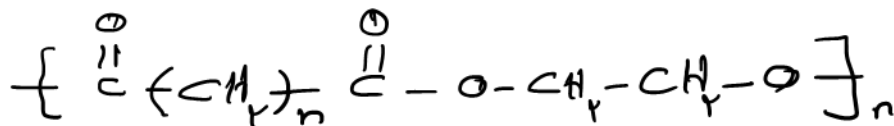


$$(a \times 12 + r \times 14 + r) \times 1000 = 170000 \frac{\text{g}}{\text{mol}} \quad -28$$



$$\underline{m}(\text{g}) = a \times 12 + r \times 14 + 16 =$$

$$\underline{m}'(\text{g}) = r' \times 12 + r' \times 14 + 16 =$$



$$r \times 12 + r \times 14 + r + n \times 16 = 170 \Rightarrow n \geq 1$$

$$\text{مجموعه مولی در واحد} \\ 90 + 16 = 106 \frac{\text{g}}{\text{mol}}$$

$$\text{HO} (\text{CH}_r)_n \text{OH} \Rightarrow 4r = r' \times 16 + n \times 16 \Rightarrow n \geq r \quad -29$$

$$\text{HOOC} (\text{CH}_r)_n \text{COOH} \Rightarrow 116 = 90 + n' \times 16 \Rightarrow n' \geq r$$

