

حل التمرين 02

$$\%C = \frac{xM(C)}{M} = \frac{12x}{M} \Rightarrow x = \frac{M}{M(C)} \times \%C$$

$$\Rightarrow x = \frac{324}{12} \times \frac{74,07}{100} = 20$$

$$z = \frac{M}{M(O)} \times \%O \Rightarrow z = \frac{324}{16} \times \frac{9,87}{100} = 2$$

$$t = \frac{M}{M(N)} \times \%N \Rightarrow t = \frac{324}{14} \times \frac{8,65}{100} = 2$$

$$y = \frac{M}{M(H)} \times \%H \Rightarrow y = \frac{324}{1} \times \frac{7,41}{100} = 24$$

الصيغة الإجمالية للمركب : $C_{20}H_{24}O_2N_2$