

1) Топсырма

бер:  $\omega_{\text{ем}} = 20\%$  $m = 80\text{г}$  $M_r(\text{NH}_3\text{O}) = ?$ 

$$M_r(\text{NH}_3\text{O}) = 2 \cdot 001 + 2 \cdot 16 = 217$$

$$\omega(\text{NH}_3\text{O}) = \frac{Ar \cdot n}{M_r} \cdot 100\% = \frac{200}{217} \cdot 100 = 92$$

2) Топсырма

1)  $V = 20\text{л} = 0,02\text{ моль/л}$

 $M_r(\text{C}_2\text{H}_3\text{O}_2) = ?$ 

$$M_r(\text{C}_2\text{H}_3\text{O}_2) = 12 \cdot 2 + 1 \cdot 3 + 16 \cdot 2 = 60$$

$$\omega(\text{C}_2\text{H}_3\text{O}_2) = \frac{Ar \cdot n}{M_r} \cdot 100 = \frac{29}{60} \cdot 100 = 48,3$$

2)  $D_m = 500$ 

$$M_r(\text{C}_2\text{H}_3\text{O}_2) = 12 \cdot 2 + 1 \cdot 3 + 16 \cdot 2 = 58$$

$$\omega = A_{\text{mol}} \left( \frac{A}{n(\text{C}_2\text{H}_3\text{O}_2)} \right) = \frac{560}{58} = 96$$

 $A_{\text{mol}} = ?$  $M_r(\text{C}_2\text{H}_3\text{O}_2) = ?$  $A_{\text{mol}} = 96$  $M_r(\text{C}_2\text{H}_3\text{O}_2) = 58$ 

4) Топсырма

1)  $\omega(S) = 40,506\%$

$\omega(O) = 30,38\%$

 $S_x \cdot O_y = ?$ 

$$x:y = \frac{\omega(S)}{Ar(S)} : \frac{\omega(O)}{Ar(O)} = \frac{40,506}{32} : \frac{30,38}{16} = 1:1 = SO$$

3) Топсырма

 $K, Zn, Fe, H$ 3)  $\omega(B) = 5$ 2)  $B = NaCl$ 

1)  $3,82 \cdot 10^{23}$   $m(Me) = 3,82 \cdot 10^{23}$

Насе. физиологиялық ертіну

 $A = Na$