

REŠITVE

1. NALOGA

1.1 $C_{17}H_{27}NO_4$ (upoštevamo tudi drugačno zaporedje simbolov elementov) 1 T1.2 sp^3 : 11 ogljikovih atomov 1 T sp^2 : 6 ogljikovih atomov 1 T

$\begin{array}{c} \text{CH}_3 \\ | \\ \text{---C---CH}_3 \\ | \\ \text{CH}_3 \end{array}$
 ali $\text{---CH}_2\text{---}\overset{\text{CH}_3}{\text{CH}}\text{---CH}_3$ ($-\text{C}(\text{CH}_3)_3$ oz. $-\text{CH}_2\text{CH}(\text{CH}_3)_2$)

1.4 6 delokaliziranih π -elektronov 1 T

Skupaj: 5 T

2. NALOGA

2.1 $C_4H_8 + 6 O_2 \rightarrow 4 CO_2 + 4 H_2O$ 1 T2.2 $CH_2=CHCH_2CH_3$; $CH_3CH=CHCH_3$; $CH_2=C(CH_3)_2$ 3 x 1 T

$\begin{array}{c} \text{H}_2\text{C} \text{---} \text{CH}_2 \\ | \quad | \\ \text{H}_2\text{C} \text{---} \text{CH}_2 \end{array}$;
 $\begin{array}{c} \text{H}_2\text{C} \\ | \quad \diagdown \\ \text{H}_2\text{C} \quad \text{CH---CH}_3 \end{array}$

2.3 2 x 1 T

Skupaj: 6 T

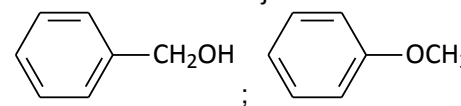
3. NALOGA

3.1 C_7H_8O (upoštevamo tudi drugačno zaporedje simbolov elementov) 1 T

3.2 1 T

3.3 HNO_3 1 T

Elektrofilna substitucija 1 T



3.4 2 x 1 T

Skupaj: 6 T

4. NALOGA

$\begin{array}{c} \text{O} \\ \diagup \quad \diagdown \\ \text{H}_2\text{C} \text{---} \text{CH}_2 \end{array}$

4.1 1 T

$\begin{array}{c} \text{OH} \\ | \\ \text{CH}_3 \text{---} \text{C} \text{---} \text{CH}_2 \text{---} \text{CH}_3 \\ | \\ \text{CH}_3 \end{array}$

4.2 1 T

4.3 $CH_3\text{---}CH_2\text{---}COO\text{---}C_6H_5$ 1 T



4.4 1 T

Skupaj: 4 T

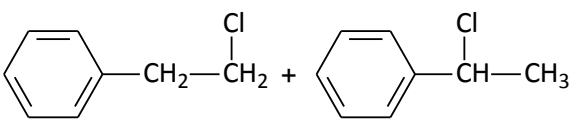
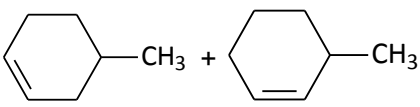
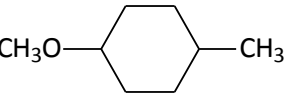
5. NALOGA

5.1	C_6H_{14}	1 T	
5.2	2-metilpentan	1 T	
5.3	2,3-dimetilbutan	1 T	
5.4	HCl	1 T	Skupaj: 4 T

6. NALOGA

6.1	$B < D < A < C$	1 T	
6.2	B: 2,2,4-trimetilpentan C: 4,4-dimetilpentan-2-ol	1 T 1 T	
6.3	Spojina C, ker je bolj polarna/lahko tvori močnejše privlačne sile/vezi z molekulami vode.	1 T	
6.4	$CH_3CH_2CH_2CH_2CH_2CH_2CH_2OH$	1 T	Skupaj: 5 T

7. NALOGA

7.1		2 x 1 T	
7.2		2 x 1 T	
7.3		1 T	Skupaj: 5 T

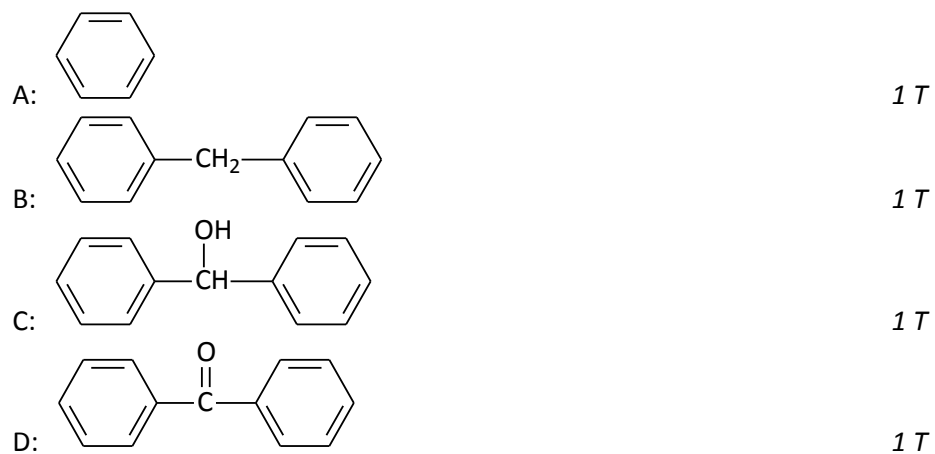
8. NALOGA

8.1	Spojine so ketoni.	1 T	
8.2	A: $CH_3COCH_2CH_2CH_3$ B: $CH_3COCH(CH_3)_2$ C: $CH_3CH_2COCH_2CH_3$	1 T 1 T 1 T	
8.3	<i>cis</i> -pent-2-en <i>trans</i> -pent-2-en (za ime brez stereodeskriptorja dodelimo 1 T)	1 T 1 T	Skupaj: 6 T

9. NALOGA

9.1	2-metilpent-2-en 2-bromo-2-metilpentan	1 T 1 T	
9.2		1 T	
9.3	Br^-	1 T	
9.4	Elektrofilna adicija	1 T	Skupaj: 5 T

10. NALOGA



Skupaj: 4 T

Vse skupaj: 50 T