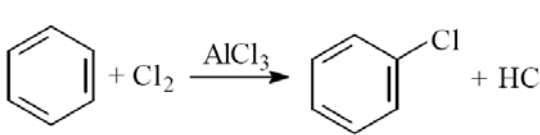




Univerzitet u Beogradu - Hemijski fakultet
Prijemni ispit, 29. jun 2020. godine
Rešenja zadataka i ključ za bodovanje testa

Zadatak	Tačan odgovor	Broj poena
1.	d)	1 x 4 = 4
2.	Fe(NO ₃) ₃ ; +5	2 + 2 = 4
3.	c)	1 x 4 = 4
4.	$3 \text{Ca(OH)}_2 + 2 \text{H}_3\text{PO}_4 \rightarrow \text{Ca}_3(\text{PO}_4)_2 + 6 \text{H}_2\text{O}$	1 x 4 = 4
5.	15,9 kJ	1 x 4 = 4
6.	Poveća 100 puta	1 x 4 = 4
7.	0,05 mol/dm ³	1 x 4 = 4
8.	c)	1 x 4 = 4
9.	$2 \text{KMnO}_4 + 16 \text{HCl} \rightarrow 2 \text{MnCl}_2 + 2 \text{KCl} + 5 \text{Cl}_2 + 8 \text{H}_2\text{O}$ 0,008 molova	2 + 2 = 4
10.	a) CH ₃ CH ₂ CH(CH ₃)CH ₂ CH ₂ OH b) CH ₃ CH ₂ CH ₂ COOH c) 2-metil-3-heksin d) 2-metil-pentanal	4 x 1 = 4
11.	a) $\text{CH}_3\text{CH}_2\text{Cl} + \text{CH}_3\text{ONa} \rightarrow \text{CH}_3\text{CH}_2\text{OCH}_3 + \text{NaCl}$ b) $\text{CH}_3\text{COOCH}_2\text{CH}_2\text{CH}_3 + \text{H}_2\text{O} \xrightarrow{\text{H}^+} \text{CH}_3\text{COOH} + \text{CH}_3\text{CH}_2\text{CH}_2\text{OH}$	2 + 2 = 4
12.		1 x 4 = 4
13.	a) NE; b) DA; c) NE; d) NE	4 x 1 = 4
14.	d)	1 x 4 = 4
15.	d)	1 x 4 = 4
Ukupno:		60 poena