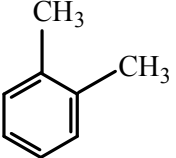
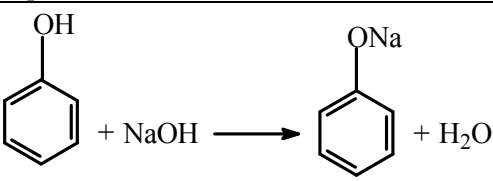




**Hemijski fakultet Univerziteta u Beogradu**  
**Prijemni ispit, 26. jun 2017. godine**  
**Rešenja zadataka i ključ za bodovanje testa**

Zadatak	Tačan odgovor	Broj poena
1.	2. grupa; 3. perioda	2 + 2 = 4
2.	Mg(NO <sub>3</sub> ) <sub>2</sub> ; +5	2 + 2 = 4
3.	a)	1 x 4 = 4
4.	2 Fe(OH) <sub>3</sub> + 3 H <sub>2</sub> SO <sub>4</sub> → Fe <sub>2</sub> (SO <sub>4</sub> ) <sub>3</sub> + 6 H <sub>2</sub> O	1 x 4 = 4
5.	smanjiti 2 puta	1 x 4 = 4
6.	56	1 x 4 = 4
7.	22,5; 127,5	2 + 2 = 4
8.	d)	1 x 4 = 4
9.	2 KMnO <sub>4</sub> + 16 HCl → 2 MnCl <sub>2</sub> + 2 KCl + 5 Cl <sub>2</sub> + 8 H <sub>2</sub> O 1120	2 + 2 = 4
10.	a)  b) CH <sub>3</sub> CH <sub>2</sub> CH(CH <sub>3</sub> )CHO c) 4,4-dimetil-2-penten d) 3-pentanon	4 x 1 = 4
11.	a)  b) CH <sub>3</sub> CH(CH <sub>3</sub> )CH(CH <sub>3</sub> )CH=CH <sub>2</sub> + HBr → CH <sub>3</sub> CH(CH <sub>3</sub> )CH(CH <sub>3</sub> )CHBrCH <sub>3</sub>	2 + 2 = 4
12.	CH <sub>3</sub> CH <sub>2</sub> COOH + CH <sub>3</sub> CH <sub>2</sub> CH <sub>2</sub> OH $\xrightleftharpoons{H^+}$ CH <sub>3</sub> CH <sub>2</sub> COOCH <sub>2</sub> CH <sub>2</sub> CH <sub>3</sub> + H <sub>2</sub> O	1 x 4 = 4
13.	a) DA; b) NE; c) NE; d) NE	4 x 1 = 4
14.	d)	1 x 4 = 4
15.	a)	1 x 4 = 4
<b>Ukupno:</b>		<b>60 poena</b>