

MDCAT Chemistry Chapter 16 Alcohols and Phenols Online Test

Sr	Questions	Answers Choice
1	Which one of the following is an appropriate indication of positive iodoform test?	A. Formation of H ₂ O B. Brick red precipitate C. Release of H ₂ gas D. Yellow precipitate
2	Which one of the following groups is indicated when HCl is formed by reaction of ethanol with phosphorous pentachloride?	A. Amino group B. Halide group C. Hydroxyl group D. Hydride group
3	Which one of the following alcohol is indicated by formation of yellow crystals in Iodoform test?	A. Methanol B. Ethanol C. Butanol D. Propanol
4	Primary, secondary and tertiary alcohols can be identified and distinguished by	A. Lucas test B. Iodoform test C. Baeyer's test D. Silver mirror test
5	The dehydration of ethyl alcohol with concentrated H ₂ SO ₄ at 140°C gives	A. Ethene B. Alcohol C. Diethyl ether D. Carboxylic acid
6	Relative acidic strength of alcohol, phenol, water and carboxylic acid is	A. Carboxylic acid > Alcohol > Phenol > Water B. Carboxylic acid > Phenol > Water > Alcohol C. Water > Alcohol > Phenol > Carboxylic acid D. Phenol > Carboxylic acid > Alcohol > Water
7	In ethyl alcohol, the bond that undergoes heterolytic cleavage most readily is	A. C-C B. C-O C. C-H D. O-H
8	Which of the following is soluble in water?	A. CH ₃ OH B. CCl ₄ C. CHCl ₃ D. CS ₂
9	Which one of the following is more acidic	A. Phenol B. Carboxylic acid C. Alcohols D. Amines
10	Temperature required for the dehydration of ethanol into ethene in the presence of H ₂ SO ₄ is	A. 130°C B. 170°C C. 175°C D. 180°C
11	Which of the following alcohol is more soluble in H ₂ O	A. Propanol B. Butanol C. Pentanol D. Hexanol
12	Phenol is completely soluble in water above	A. 25°C B. 62.3°C C. 68.5°C D. 66.50°C
13	Phenol is colourless, crystalline and solid	A. Hygroscopic B. Deliquescent C. Moistening D. Odourless
14	Phenol can be distinguished from ethyl alcohol by all of the following reagents except	A. Iodoform test B. Na C. Br ₂ / H ₂ O D. NaOH

15	Which of the substance is not going to react the sodium metal:	A. Acetic acid B. Methanol C. Di methyl ether D. Ethanol
16	Which of the following alcohols is least reactive with respect to O-H bond	A. CH ₃ OH B. CH ₃ -CH ₂ -OH C. (CH ₃) ₂ -CH-OH D. (CH ₃) ₃ OH
17	The starting substance for the preparation of iodoform is any of the following, except	A. $\text{CH}_3\text{CH}(\text{OH})\text{CH}_3$ B. CH ₃ CH ₂ OH C. HCH ₂ OH D. CH ₃ COCH ₃
18	Ethanol reacts with sodium metal to liberate	A. CO ₂ gas B. CO gas C. H ₂ gas D. Steam
19	Which of the following is more reactive where O-H bonds break	A. P° alcohol B. T° alcohol C. S° alcohol D. Cannot be predicated
20	Alcohols of low molecular weight are:	A. Soluble in water B. Insoluble in water C. Soluble in water on heating D. Insoluble in all solvents