

MDCAT Chemistry Chapter 15 Alkyl Halides Online Test

Sr	Questions	Answers Choice
1	Which one of the following is more acidic	A. Phenol B. Carboxylic acid C. Alcohols D. Amines
2	In which of the following types of reactions are the carbonyl compounds and alkene are similar in behaviour	A. Nucleophilic addition B. Electrophilic addition C. Nucleophilic substitution D. Catalytic hydrogenation
3	Which will not react with phenol	A. NaOH B. Br ₂ C. KMnO ₄ /OH ⁻ D. Na
4	which of the following is not a symmetrical ketone	A. 4-heptanone B. Butanone C. Propanone D. 3-pentanone
5	In ethyl alcohol, the bond that undergoes heterolytic cleavage most readily is	A. C-C B. C-O C. C-H D. O-H
6	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
7	The oxidation of 1 - propanol in the presence of H ₂ SO ₄ , +K ₂ Cr ₂ O ₇ produces final product	A. Acetaldehyde B. Propanal C. Acetone D. Propanoic acid
8	Which of the following alcohol cannot be produced by treatment of aldehydes or ketones with NaBH ₄	A. 1-propanol B. 2-Methyl-2-propanol C. 2-propanol D. Ethanol
9	Which of the following test is not given by aldehyde	A. 2, 4 DNP test B. NaHSO ₃ test C. Tollen's test D. Sodium nitroprusside test
10	Formalin contains-----% alcohol.	A. 37 B. 80 C. 8 D. 52
11	Which of the following does not give brick red precipitate with Fehling's solution	A. Acetaldehyde B. Formalin C. propanaldehyde D. Acetone
12	Consider the following reaction R-CHO + 2Ag(NH ₃) ₂ OH + R-COONH ₄ + 2Ag + 2NH ₃ + H ₂ O This reaction represents	A. Fehling test B. Ninhydrin test C. Benedict test D. Tollen's test
13	The reagent used to distinguish between ethanol and propanal is	A. I ₂ / NaOH B. Benedict's reagent C. LiAlH ₄ D. sodium nitroprusside
14	In aldehydes and ketones carbon of carbonyl group is;	A. sp ³ hybridized B. sp ² hybridized C. sp hybridized D. un hybridized
15	An alcohol is converted to an aldehyde with same number of carbon atoms as that of alcohol in the presence of K ₂ Cr ₂ O ₇ /H ₂ SO ₄ the alcohol is	A. CH ₃ C(CH ₃) ₂ OH B. (CH ₃) ₃ COH C. CH ₃ CH ₂ CH ₂ OH D. (CH ₃) ₂ CHOH

D. $(\text{CH}_3)_2\text{CHOH}$

16 The synthesis of ethene from ethyl alcohol is a reaction

- A. Dehydration
- B. Polymerization
- C. Addition
- D. Substitution

17 Which of the following gives silver mirror with ammonia & AgNO_3

- A. Benzyl alcohol
- B. Benzene
- C. Benzoic acid
- D. Benzaldehyde

18 Ethyl alcohol reacts with PCl_5 and produces:

- A. Haloalkane
- B. Alkyl halide & H_3PO_3 ,
- C. Alkyl halide & POCl_3
- D. Alkyl halides & H_3PO_4 .

19 The number of resonating structures of phenoxide ion are

- A. 3
- B. 5
- C. 6
- D. 4

20 The acidity of phenol is due to its

- A. Nature of Benzene
- B. Double bond in benzene ring
- C. Nature of phenoxide ion
- D. Hydroxyl group