ECAT Chemistry Chapter 23 Aldehydes and Ketones

Sr	Questions	Answers Choice
1	Which one of the following is a product of the reaction between $C_6H_5CH_2OH$ and CH_3COCl	A. C₆H₅OCOCH₃ B. C₆H₅CH₂Cl C. C₆H₅CH₂OCOCH₃ D. C₆H₅CH₂COCl
2	Question Image	A. Br_{2(aq)} B. 2, 4-dinitrophenylhydrazine C. NaBH D. Tollen's reagent
3	Iodoform test is given by:	A. Formaldehyde and Higher ketones B. Formaldehyde C. Acetaldehyde and methyl ketones D. Acetaldehyde
4	The color of ppts formed by Fehling's test is	A. Brick red B. Red C. Yellow D. Orange
5	Aldehydes which do not have α-hydrogen undergo	A. Aldol combination B. Cannizzaro's reaction C. Substitution D. Elimination
6	Aldehydes can be distinguished from ketones by	A. 2,4-DNPH test B. NaHSO₃test C. N₂H₄test D. Tollen's test
7	Acetone is prepared by	A. Oxidation of n-propyl alcohol B. Oxidation of acetaldehyde C. Pyrolysis of calcium acetate D. Pyrolysis of calcium acetate as well as acetic acid
8	Aldol condensation is actually	A. Electrophilic addition of carbonation B. Electrophilic addition of carbonium ion C. Nucleophilic addition of carbonation D. Nuclephilic addition of carbonium ion
9	In Tolten's best, the end product is _____ formed	A. White ppts B. Red ppts C. Yellow ppts D. Silver mirror
10	In carboxyl group the bond between C and oxygen is:	A. Sigma bond B. Single bond C. Double Bond D. Triple bond
11	Question Image	A. With H₂/Ni CH₃(CH₂)₅CH₂OH B. With H₂/Ni CH₃(CH₂)₅CH₃ C. With NaBH₄ CH₃(CH₂)₅CH₂OH D. With NaBH₄ CH₃(CH₂)₅CHO
12	Aldehydes can be distinguished from ketones by using	A. Schiff's reagent B. Conc. H₂SO₄ C. Anhy. ZnCl₂ D. Resorcinol
13	The homologous series of aldehydes and ketones have general formula:	A. C_nH_{2n}O B. C_nH_nO C. C_nH_{2n-1}O D. C_nH_nO_n
14	Which of the following is halo form	A. CHBr₃ B. CHCl₃ C. CHI₃ D. All of these

15	Reaction of Grignard's reagent with ketones gives: Reaction of Grignard's reagent with formaldehyde gives:	A. Pri-alcohol B. Sec-Alcohol C. Ter-alcohol D. Carboxylic
16	Which of the following will have the highest boiling point	A. Methanol B. Ethanol C. Propanal D. 2-hexanone
17	Reaction of Grignard's reagent eith aldehyds other formaldehyde gives: Reaction of Grignard's reagent with formaldehyde gives:	A. Pri-alcohol B. Sec-alcohol C. Ter-alcohol D. Carboxylic
18	A common industrial solvent is a mixture of propanone; CH_3COCH_3, and pentyl ethanoate $CH_3CO_2(CH_2)_4CH_3$. Which reagent would have no effect on this solvent	A. Na_(s) B. NaBH₄ C. NaOH_(aq) D. 2,4-dinitrophenylhydrazine reagent
19	Which of the following will have the highest boiling point?	A. Methanal B. Ethanal C. Propanal D. 2-Hexanone
20	Which of the following is hypnotic?	A. Acetaldehyde B. Metaldehyde C. Paraldehyde D. None