

NAT II Physical Science Chemistry

Sr	Questions	Answers Choice
1	Formic acid is obtained when	A. Calcium acetate is heated with conc. H_2SO_4 B. Calcium formate is heated with calcium acetate C. Glycerol is heated with oxalic acid D. Acetaldehyde is oxidized with $\text{K}_2\text{Cr}_2\text{O}_7$ and H_2SO_4
2	Sulphonation of benzoic acid produces mainly	A. o-Sulphobenzoic acid B. m-Sulphobenzoic acid C. p-Sulphobenzoic acid D. o- and p-Sulphobenzoic acid
3	Heating a mixture of sodium benzoate and soda lime gives	A. Methane B. Benzene C. Sodium benzoate D. Calcium benzoate
4	Toluene can be oxidized to benzoic acid by	A. KMnO_4 (alk) B. $\text{K}_2\text{Cr}_2\text{O}_7$ (acidic) C. Both D. None
5	Reaction of acids with alcohols is also known as	A. Esterification B. Saponification C. Alkalization D. None
6	Acetic anhydride is obtained from acetyl chloride by the reaction of	A. P_2O_5 B. H_2SO_4 C. CH_3COONa D. CH_3COCH_3
7	In public urinals, we observe some nascent smell. This smell is due to	A. Hydrolysis of urea of urine by urease of atmosphere into NH_3 and CO_2 B. Formation of sulphonic acid by urea of urine C. Reaction of CO_2 of atmosphere with urea mononitrate in urine D. Hydrogen present in air reacts with nitrogen forming NH_3
8	Which of the following alcohols cannot be produced by treatment of aldehydes or ketones with NaBH_4 or LiAlH_4 ?	A. 1-Propanol B. 2-Propanol C. 2-Methyl-2-Propanol D. Ethanol.
9	Calcium acetate when dry distilled gives	A. Formaldehyde B. Acetaldehyde C. Acetone D. Acetic anhydride
10	At room temperature formaldehyde is	A. Gas B. Liquid C. Solid D. None of the above
11	Cannizzaro reaction is not given by	A. Trimethyl acetaldehyde B. Acetaldehyde C. Benzaldehyde D. Formaldehyde.
12	On heating acetaldehyde with ammonical silver nitrate solution, we get	A. CH_3CHOH B. Silver acetate C. HCHO D. Silver mirror
13	Aldehydes are produce in atmosphere by	A. Oxidation of secondary alcohols B. Reduction of alkenes C. Reaction of oxygen atoms with hydrocarbons D. Reaction of oxygen atoms with ozone.

14	Propyne on hydrolysis in presence of H_2SO_4 and HgSO_4 gives	A. Acetaldehyde B. Acetone C. Formaldehyde D. None
15	Tollen's reagent is	A. Ammonical cuprous chloride B. Ammonical cuprous oxide C. Ammonical silver bromide D. Ammonical silver nitrate