



CHEMISTRY

NCERT - NCERT CHEMISTRY(GUJRATI)

CARBOXYLIC ACIDS

Self Evaluation A Choose The Correct Answer

1. Weakest acid among the following is

A. Acetic acid

B. Phenol

C. Water

D. Acetylene

Answer:



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2. Ester formation involves the reaction of

A. an aldehyde and a ketone

B. An alcohol with RMgX

C. Two molecules of an acid with
dehydrating agent

D. An acylhalide with an alcohol

Answer:



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3. Heating a mixture of sodium acetate and
soda lime gives

A. methane

B. ethane

C. acetic acid

D. benzene

Answer:



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4. Tollen's reagent is

A. acetic acid

B. benzoic acid

C. formic acid

D. oxalic acid

Answer:



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5. The Isomerism exhibited by

CH_3CH_2COOH and CH_3COOCH_3 is

A. metamerism

B. position

C. chain

D. functional

Answer:



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6. The acid that cannot be prepared by Grignard reagent

A. acetic acid

B. formic acid

C. butyric acid

D. benzoic acid

Answer:



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7. When chlorine is passed through acetic acid in presence of red P, it forms.

A. acetyl chloride

B. Trichloro acetaldehyde

C. Trichloro acetic acid

D. Methyl chloride

Answer:



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8. Which of the following compounds will react with $NaHCO_3$ solution to give sodium salt and CO_2 ?

A. acetic acid

B. n-hexanol

C. phenol

D. both (a) and (c)

Answer:



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9. Carboxylic acids are more acidic than phenol and alcohol because of

A. inter molecular hydrogen bonding

B. formation of dimers

C. highly acidic hydrogen

D. greater resonance stabilisation of their
conjugate base

Answer:



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10. The compound found in some stony deposit in kidneys is

A. potassium oxalate

B. oxalic acid

C. potassium succinate

D. calcium oxalate

Answer:



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11. Ethylene cyanide on hydrolysis using acid gives

A. oxalic acid

B. succinic acid

C. adipic acid

D. propionic acid

Answer:



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Self Evaluation B Answer In One Or Two Sentences

1. Give the structure of lactyl chloride and lactide.



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