



# CHEMISTRY

## BOOKS - SHARAM PUBLICATION

### AROMATIC ALDEHYDES

#### Exercise

1. When a mixture of calcium benzoate and calcium acetate is dry distilled ,the resulting compound is

A. acetophenone

B. benzaldehyde

C. benzophenone

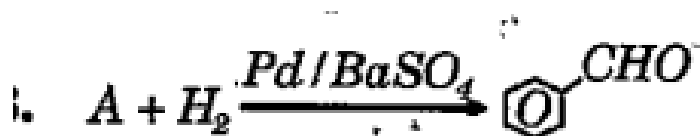
D. acetaldehyde

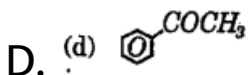
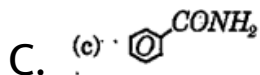
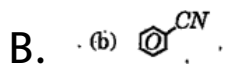
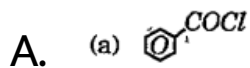
**Answer:**



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2.





**Answer:**



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3. The reagent used in Gattermann Koch aldehyde synthesis is

A.  $Pd / BaSO_4$

B. alkaline  $KMnO_4$

C. acidic  $KMnO_4$

D.  $CO + HCl$

**Answer:**



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4. Benzaldehyde and acetone can be best distinguish using

A. Fehling's solution

B. sodium hydroxide solution

C. 2,4 -DNP

D. Tollen's reagent

**Answer:**



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**5. Cannizzaro's reaction is performed by**

A. formaldehyde

B. formaldehyde and acetaldehyde

C. benzaldehyde

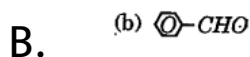
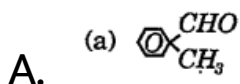
D. formaldehyde and benzaldehyde

**Answer:**



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**6.** Cannizzaro's reaction is not given by



C.  $HCHO$

D.  $CH_3CHO$

**Answer:**



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7. Name the reagent used to convert toluene to benzaldehyde.



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8. Which type of aldehydes give Cannizzaro's reaction ?



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9. \_\_\_\_\_ being an aldehyde does not respond to Fehling's solution test.



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**10.** Fill in the blanks: Nitration of benzaldehyde gives .....



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**11.** Fill in the blanks: Benzaldehyde reacts with acetaldehyde in the presence of NaOH to form.....



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**12.** Fill in the blanks: Benzaldehyde when refluxed with Conc-KOH gives ..... and .....



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**13.** Write short note on : Gatterman-Koch reaction



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**14.** How is phenyl Cyanide converted to benzal dehyde?



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**15.** How will you distinguish benzal dehyde from acetal dehyde?



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**16.** How can you prepare benzaldehyde from Toluene? Also name the reactions involved .



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**17.** What happens when benzoyl chloride is reduced by  $Pd - BaSO_4$  in boiling xylene?



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**18.** How is acetophenone prepared from benzene?



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**19.** What happens when benzaldehyde is heated with conc.NaOH solution?



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20. Give two methods of preparation of benzaldehyde . What happens when benzaldehyde reacts with

Conc. $H_2SO_4$



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21. What happens when benzaldehyde reacts with ethanolic KCN.



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