

11. Which alcohol will undergo elimination reaction to give alkene in the presence of acidic potassium dichromate?

- A. Primary alcohol B. Secondary alcohol
C. Tertiary alcohol D. All of above

Answer: Option C

12. The distinction test for primary secondary and tertiary alcohol required to react each of them is

- A. Cone. HCl and anhydrous SOCl_2 B. Cone. HCl and anhydrous CaCl_2
C. Cone. HCl and anhydrous PCl_2 D. Cone. HCl and anhydrous ZnCl_2

Answer: Option D

13. Which compound is also known by the name of carbolic acid?

- A. $\text{C}_2\text{H}_2\text{OH}$ B. H_2CO_3
C. $\text{C}_6\text{H}_5\text{OH}$ D. H_3PO_3

Answer: Option C

14. The given dissociation constant (K_a) value 1.3×10^{-10} is of

- A. Alcohol B. Acetic acid
C. Water D. Phenol

Answer: Option D

15. Heating phenol with Zn will yield

- A. Benzene B. Benzoic acid
C. Phenoxide D. Cyclohexane

Answer: Option A

16. When phenol is heated with concentrated nitric acid the product is

- | | |
|-----------------------------------|-------------------------|
| <u>A.</u> Picric acid | <u>B.</u> o-nitrophenol |
| <u>C.</u> 1 3 5 -trinitro benzene | <u>D.</u> p-nitrophenol |

Answer: Option A

17. Treating phenol with formaldehyde in the presence of dilute base forms Bakelite. The process involved is

- | | |
|---------------------------------------|--------------------------------------|
| <u>A.</u> oxidation | <u>B.</u> elimination |
| <u>C.</u> condensation polymerization | <u>D.</u> additional polymertization |

Answer: Option C

18. Which compound shows hydrogen bonding?

- | | |
|--|--|
| <u>A.</u> C ₂ H ₆ | <u>B.</u> C ₂ H ₅ Cl |
| <u>C.</u> CH ₃ OCH ₃ | <u>D.</u> C ₂ H ₅ OH |

Answer: Option D

19. Ethanol can be converted into ethanoic acid by

- | | |
|-------------------------|------------------------|
| <u>A.</u> Hydrogenation | <u>B.</u> Hydration |
| <u>C.</u> Oxidation | <u>D.</u> Fermentation |

Answer: Option C

20. Methyl alcohol is not used

- | | |
|--------------------------------------|---|
| <u>A.</u> As a solvent | <u>B.</u> As an antifreezing agent |
| <u>C.</u> As a substitute for petrol | <u>D.</u> For denaturing of ethyl alcohol |

Answer: Option C