

NAT II Physical Science Chemistry

| Sr | Questions | Answers Choice |
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| 1 | Tollen's reagent is | A. Ammonical cuprous chloride B. Ammonical cuprous oxide C. Ammonical silver bromide D. Ammonical silver nitrate |
| 2 | Which of the following possesses the highest melting point? | A. Chlorobenzene B. o- Dichlorobenzene C. m-Dichlorobenzene D. p-Dichlorobenzene |
| 3 | Acid rains are produced by | A. Excess NO ₂ and SO ₂ from burning fossil fuels B. Excess production of NH ₃ by industry and coal gas C. Excess release of carbon monoxide by incomplete combustion D. Excess formation of CO ₂ by combustion and animal respiration |
| 4 | Wt. of 112 ml of oxygen at NTP on liquification would be | A. 0.32 g B. 0.64 g C. 0.16 g D. 0.96 g |
| 5 | Which of the following nitrogen fertilizer contain more nitrogen | A. NaNO ₃ B. KNO ₃ C. NH ₄ NO ₃ D. Urea |
| 6 | The freezing point of 1 molal NaCl solution assuming NaCl to be 100% dissociated in water in | A1.86 °C B3.72 °C C. +1.86 °C D. +3.72 °C |
| 7 | When sulphur is boiled with Na_2SO_3 solution, the compound formed is | A. sodium sulphides B. Sodiums sulphates C. Sodium persulphate D. Sodium thiosulphate |
| 8 | Salol is prepared from | A. Salicyclic acid and phenol B. Salicyclic acid and methyl alcohol. C. Both D. None |
| 9 | Which quantum number is sufficient to describe the electron is hydrogen | A. <div><i>!</i> span></div> span> sp |
| 10 | The percentage of oxygen in NaOH is | A. 40 B. 60 C. 8 D. 10 |
| | | A. 1 : 1 |

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| by hydrolysis D. Fermentation A. Their metallic character decrease | 11 | The ratio of the ionization energy of H and Be ³⁺ is | B. 1 : 3 C. 1 : 9 D. 1 : 16 |
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| The disaccharide present in milk is B. Maltose C. Lactose D. Cellobiose A. By reduction of CH2SL2 B. Wurtz reaction C. Liquification of natural gas D. None of these A. Addition of iron fillings to CuSO ₄ solution caused precipitation of Cu owing to the A. Reduction of Cu ²⁺ B. Oxidation of Cu ²⁺ B. Oxidation of Fe C. Reduction of Fe A. Phosphine B. Posh acid C. Phosphorous acid D. None A. Permanganate oxidation B. Catalytic reduction C. Absorbing in H ₂ SO ₄ folioby hydrolysis D. Fermentation A. Their metallic character decrease | 12 | Causticisation process is used for the preparation of | B. Caustic potash C. Baryata solution |
| Which of the following method is most appropriate for the manufacture of methane? B. Wurtz reaction C. Liquification of natural gas D. None of these A. Reduction of Cu ²⁺ B. Oxidation of Cu ²⁺ C. Reduction of Fe D. Reduction of Fe S. Posh acid C. Phosphorous acid D. None The properties of the manufacture of methane? B. Wurtz reaction C. Liquification of natural gas D. None of Cu ²⁺ B. Oxidation of Cu ²⁺ C. Reduction of Fe D. Reduction of Fe D. Reduction of Fe S. Posh acid C. Phosphorous acid D. None A. Permanganate oxidation B. Catalytic reduction C. Absorbing in H ₂ SO ₄ folliby hydrolysis D. Fermentation A. Their metallic character decrease | 13 | The disaccharide present in milk is | B. Maltose C. Lactose |
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| 16 White P when boiled with strong solution of caustic soda produces B. Posh acid C. Phosphorous acid D. None A. Permanganate oxidation B. Catalytic reduction C. Absorbing in H _{2/sub>50₄foll-by hydrolysis D. Fermentation A. Their metallic character decrease} | 15 | Addition of iron fillings to CuSO ₄ solution caused precipitation of Cu owing to the | B. Oxidation of Cu²⁺C. Reduction of Fe |
| B. Catalytic reduction C. Absorbing in H ₂ 50 ₄ folliby hydrolysis D. Fermentation A. Their metallic character decrease | 16 | White P when boiled with strong solution of caustic soda produces | B. Posh acidC. Phosphorous acid |
| | 17 | Ethyl alcohol is industrially prepare from ethylene by | B. Catalytic reduction C. Absorbing in H ₂ SO ₄ followed by hydrolysis |
| Which of the following statements is correct with respect to the property of elements with increase in atomic number in the carbon family (group 14)? B. The stability of +2 oxidation state increases C. Their ionization energy increases D. Their atomic size decreases | 18 | | increases C. Their ionization energy increases |
| Which of the following alcohols cannot be produced by treatment of aldehydes or ketones with NaBh4or LiAH4? A. 1-Propanol B. 2-Propanol C. 2-Methyl2-Proponal D. Ethanol. | 19 | | B. 2-Propanol C. 2-Methyl2-Proponal |
| A. 2 gram atom of nitrogen B. 3 x 10 ²³ atoms of C C. 1 mole of S D. 7.0 g of Ag. | 20 | Which of the following has least mass? | B. 3 x 10 ²³ atoms of C C. 1 mole of S |