

ECAT Chemistry Online Test

| Sr | Questions | Answers Choice |
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| 1 | The chloroform reacts with NaOH to give | A. CH ₃ COONa B. Sodium oxalate C. CH ₃ OH D. HCOONa |
| 2 | The amount of heat evolved or absorbed in a chemical reaction, when the molar quantities of products and reactants being the same as represented in chemical equation. is called | A. Heat of reaction B. Free energy of reaction C. Entropy of reaction D. None of these |
| 3 | 4-d series is in the period: | A. 4th B. 5th C. 6th D. 7th |
| 4 | On heating acetaldehyde with ammonical silver nitrate solution, we get | A. CH ₃ OH B. Silver acetate C. HCHO D. Silver mirror |
| 5 | Which of the following is an ortho-para directing group | |
| 6 | Question Image | A. NH ₃ HCl B. KCN in C ₂ H ₅ OH NaOH C. KCN in C ₂ H ₅ OH HCl D. HCN NaOH |
| 7 | Concentration of rectified spirit is: | A. 12% B. 14% C. 90% D. 95% |
| 8 | Purine derivative among the following bases is | A. Thymine B. Uracil C. Guanine D. Cytosine |
| 9 | Heavy water is obtained by | A. Prolonged electrolysis of water B. Dissolving heavy salt in water C. Simple distillation of water D. Removing impurities of calcium and magnesium form water |
| 10 | Solution which distill without change in composition or temperature are called | A. Amorphous B. Azeotropic mixture C. Ideal D. Super saturated |
| 11 | How many isomeric disubtituted products are obtained by the introducing of second group in the ring | A. Two B. Three C. Four D. None |
| 12 | C ₂ H ₅ OH can be differentiated from CH ₃ OH by | A. Reaction with HCl B. Reaction with NH ₃ C. lodoform test D. Solubility in water |
| 13 | Which one of the following substance is use as decolonizing agent | A. Asbestos B. Animal charcoal C. conc, H ₂ SO ₄ D. Silica gel |
| 14 | Rate law of an equation is obtained : | A. From a balance equation. B. Can be calculated theoretically as well as determined experimentally. C. It is only calculated theoretically. D. Experimentally. |
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| 15 | Generally the bond formed by metals with non-metals is | A. IONIC B. Covalent C. Polar D. Non- polar |
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| 16 | Acetylene is used in the manufacture of | A. Rubber B. Plastic C. Ethyle alcohol D. All of these |
| 17 | Copper oxide is dedected by borax bead test with colour: | A. Blue B. Red C. Yellow D. Black |
| 18 | The chemical reactivity of glass is reduced by the use of | A. Fluxes B. Formers C. Stabilizers D. None of these |
| 19 | Which of the following is commonly called polyamide | A. Nylon B. Rayon C. Terylene D. Oridon |
| 20 | Hydrolysis of protein by 6M HCl gives peptides and then α -amino acids. How many α -amino acids molecules are obtained on the hydrolysis of a tetrapeptide | A. 2 B. 3 C. 4 D. 5 |