

ECAT Chemistry Online Test

| Sr | Questions | Answers Choice |
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| OI . | Questions | |
| 1 | Which metal is used in the thermit process because of its activity? | A. Iron B. Copper C. Alumnium D. Zinc |
| 2 | Which one gives acidic reactions? | A. CH ₃ C =CCH₃ B. CH ₃ CH ₂ CH ₂ CH ₂ CH ₂ CH ₃ CH ₃ CH ₃ CH ₃ CH ₃ CH ₃ CSpan style="color: rgb(84, 84, 84); font-family: arial, sans-serif; font-size: small;">=CH |
| 3 | Which of the following compounds contains a triple bond? | A. Alkane B. Alkene C. Alkyne D. Benzene |
| 4 | The branch of science dealing with structure, composition and changes in matter and laws and principles which govern these changes is called as | A. chesmistry B. Geology C. Physics D. Mechanics |
| 5 | Which has the largest radius? | A. CO ³⁺ B. Mn ³⁺ C. Fe ³⁺ D. Cr ³⁺ |
| 6 | Which has greater number of moles | A. 0.1 g sodium B. 6.02 x 10 ²⁰ atoms of magnesium C. 20 cm ³ 0.1 mole per dm ³ of NaOH D. 12.2 dm ³ of nitrogen at standard <div>[A_rNa = 23, Mg = 24, O = 16]</div> |
| 7 | The empirical formula of a liquid compound is known to be C_2H_4O . What other information is needed to work out its molecular formula? | A. The percentage composition of the compound B. The relative molecular mass of the compound C. The density of the compound D. The volume occupied by one mole of the compound |
| 8 | The three dimensional folding and twisting of a polypeptide chain give rise to | A. Primary structure B. Secondary structure C. Tertiary structure D. All of these tertiary |
| 9 | The e.m value for positive rays maximum for: | A. Oxygen. B. Nitrogen. C. Helium. D. Hydrogen. |
| 10 | The addition of a catalyst to a reaction changes the | A. Enthalpy B. Entropy C. Nature of reactants D. Energy of activation |
| 11 | The temp. used for the hydrogenation of alkenes using Ni is | A. 2000°C B. 400°C C. 200 300°C D. 1000°C |
| 12 | The detection of functional group is called : | A. Numerical analysis. B. Qualitative analysis. |

D. Quantitative analysis. 13 Which of the following in an example of reversible reaction A. Reduction of Cu²⁺
B. Oxidation of Cu²⁺ 14 Addition of iron fillings to CuSO₄solution caused precipitation of Cu owing to the C. Reduction of Fe D. Reduction of Fe³⁺ A. 40 B. 60 C. 50 15 Out of 110 known elements, transition elements are D. 80 A. SO₃ B. N₂O 16 Which of the following is acidic? C. BeO D. HgO A. Alkanes B. Alkenes 17 The hydrocarbon used for polymerization is D. All of above A. Acetic acid 18 Maximum number of active hydrogens are present in C. Methane D. Methanol A. Numerical analysis B. Qualitative analysis C. Quantitative analysis D. Combustion analysis The detection of functional group is called: 19 A. Addition B. Substitution 20 Which of the following process is employed to convert alkyl halide into alcohol? C. Dehydrohalogenation D. Molecular rearrangement

C. Compustion analysis.