

ECAT Chemistry MCQ's Test For Full Book

| Sr | Questions | Answers Choice |
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| 1 | Which heavy metals do not have any safe limits | A. As B. Hg C. Cr D. All of these |
| 2 | Which of the following has more unpaired d-electrons? | A. Zn ⁺ B. Fe ²⁺ C. Ni ³⁺ D. Cu ⁺ |
| 3 | Select from the following the one which alcohol | |
| 4 | The solid remained on filter paper during filtration is called the | A. Substance B. Residue C. Undue D. Filtrate |
| 5 | Aqueous solution of glucose C ₆ H ₁₂ O ₆ , boils at 100.052°C. The solution contains | A. 180 grams glucose in 1 kg water B. 18 grams glucose in 1 kg water C. 1.8 grams glucose in 1 kg water D. 3.6 grams glucose in 1 kg |
| 6 | Formic acid is given names from Latin word a "formic" which means: | A. Red out B. Vinegar C. butter D. Milk |
| 7 | The number of moles of CO ₂ which contain 8.0 g of oxygen | A. 0.25 B. 0.50 C. 1.0 D. 1.50 |
| 8 | Phenol is used in the preparation of | A. Bakelite B. Phenatherene C. Cellulose D. All of these |
| 9 | Gasoline is a mixture of hydrocarbons containing carbon atoms | A. 5 to 10 B. 5 to 8 C. 5 to 12 D. 5 to 11 |
| 10 | Polyanion formation is maximum in | A. Nitrogen B. Oxygen C. Sulphur D. Boron |
| 11 | The rate of E ₁ reaction depends upon: | A. The concentration of substrate B. The concentration of nucleophile C. The concentration of substrate as well as nucleophile D. None of these |
| 12 | The number of electron pairs shared in carbon tetrachloride molecule is | A. 2 B. 3 C. 4 D. 1 |
| 13 | The boiling point of NH ₃ is maximum among the hydrides of group V elements due to | A. Enhanced electronegative character of Nitrogen B. Pyramidal structure of NH ₃ C. Very small size of Nitrogen D. Enhanced electropositive character of Nitrogen |
| 14 | Commercial common salt becomes slight damp on storing because | A. Common salt is hygroscopic B. Common salt contains some impurity, which is hygroscopic C. Salt is efflorescent D. Salt is crystalline |
| 15 | Which of the following is not a synthetic polymer? | A. Polyethylene B. PVC C. ... |

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| | | C. Nylon D. Cellophane |
| 16 | An example of water soluble vitamin is | A. Vitamin D B. Vitamin E C. Vitamin A D. Vitamin C |
| 17 | Which behaves as insulator for animals body? | A. Carbohydrates B. Proteins C. Fats D. Skin |
| 18 | When acetamide is hydrolysed by boiling with acid the product obtained is | A. Ethyl amine B. Ethyl alcohol C. Acetic acid D. Acetaldehyde |
| 19 | Minamata disease is due to pollution of | A. Organic waste into drinking water B. Oil spill in water C. Industrial waste containing mercury into fishing water D. Arsenic into the atmosphere |
| 20 | Which of the following statements is not correct regarding bonding molecular orbitals? | A. Bonding molecular orbitals possess less energy than atomic orbitals from which they are formed B. Bonding molecular orbitals have low electron density between the two nuclei C. Every electron in the bonding molecular orbitals contributes to the attraction between atoms D. Bonding molecular orbitals are formed when the electron waves undergo constructive interference |