

ECAT Chemistry MCQ's Test For Full Book

| Sr | Questions | Answers Choice |
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| 1 | The IUPAC name fo CH ₃ COCH (CH ₃) ₂ is | A. 4-Methylisopropyl ketone B. 3-Methyl-2 butanone C. Isopropylmethyl ketone D. 2 - Methyl- 2 butanone |
| 2 | The net heat change in chemical reaction is same whether it is brought in two or more different ways in one or several steps. it is known as | A. Henry's law B. Joule's principle C. Hess's law D. Law of conservation of energy |
| 3 | The chemical formula of magnesite is | A. MgCl ₂ B. Mg(HCO ₃) ₂ C. MgCO ₃ D. None of these |
| 4 | The amount of oxygen in the lithosphere is about | A. 35.50% B. 40.60% C. 56.60% D. 50.50% |
| 5 | Th IUPAC name of the compound having formula (CH3) 3 C - CH = CH2 is | A. 1, 1-Dimethyl-3-butene B. 1,1,1-Trimethyl-3-propene C. 3,3,-Dimenthyl-1-butene D. 3,3,3,-Trimethyl-1-propene |
| 6 | Pauli's principle is applicable to | A. Degenerate orbits B. Two electrons in the same orbital C. One electron D. None |
| 7 | Which one of the following is (m-xylene) | A. 1,2 dimethyl benzene B. 1,3 dimethyl benzene C. 1,5 dimethyl benzene D. 1,4 dimethyl benzene |
| 8 | The strongest acid among the following aromatic compound is | A. Ortho-nitrophenol B. Para-chlorophenol C. Para-nitrophenol D. Meta-nitrophenol |
| 9 | The mass of one mole of proton is | A. 1.008 g B. 0.184 g C. 1.673 g D. 1.008 mg |
| 10 | Which of the following is a carbonate are? | A. Pyrolusite B. Malchite C. Diaspore D. cassiterite |
| 11 | Question Image | A. +712 KJ mol ⁻¹ B. +492 KJ mol ⁻¹ C932 KJ mol ⁻¹ D960 KJ mol ⁻¹ |
| 12 | Il-A group element are called: | A. s-block elements B. p-block elements C. d-block elements D. f-block elements |
| 13 | Commercial common salt becomes slight damp on storing because | A. Common salt is hygroscope B. Common salt contains some impurity, which is hygroscopic C. Salt in efflorescent D. Salt is crystalline |
| 14 | Which of the following is weakly acidic in nature | A. Alcohol B. Phenol C. Aidehyde D. Amide |
| 15 | Oxidation state of an element in free state is: | A. Its numebr of elemtrons lost B. Its number of electrons gained C. zero |

| | | D. Its number of electrons shared |
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| 16 | In the manufacture of NH3by Haber's process catalyst used is iron its catalytic efficiency is poisoned by | A. Presence of Al ₂ O ₃ B. Presence of Cr ₂ O ₃ C. MnO ₂ D. CO present with H ₂ gas |
| 17 | The malt-sugar in the presence of yeast or invertase gives | A. Fructose B. Glucose C. Lignin D. Alcohol |
| 18 | is used in breathing equipments for mountaineers and in space craft | A. Li ₂ O B. BeO C. N ₂ D. KO ₂ |
| 19 | Preparation of vegetable ghee involves | A. Halogenations B. Hydrogenation C. Hydroxylation D. Dehydrogenation |
| 20 | When H ₂ and I ₂ are mixed and equilibrium is attained, then | A. Amount of HI formed is equal to the amount of H ₂ dissociated B. HI dissociation stops C. The reaction stops completely D. None of these |