

NAT I Engineering

| Sr | Questions | Answers Choice |
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| 1 | Octane number is zero for | A. n-Haptane B. Isooctane C. n-Hexane D. d Isheptane |
| 2 | Galena is an ore of | A. Gallium B. Lead C. Tin D. Germanium |
| 3 | Dilute hydrochloric acid solution cannot be concentrated by boiling beyond. | A. 11% B. 33% C. 22% D. 44% |
| 4 | The number of atoms in 0.004 g of magnesium is close to | A. 24 B. 2×10^{20} C. 10^{20} D. 6.02×10^{24} |
| 5 | Sodium thiosulphate is used in photography because of its | A. Reducing behavior B. Oxidizing behavior C. Complexing behavior D. Photochemical behavior |
| 6 | Natural fertizer provide photosynthesis to plants in the from F2O3 | A. 1.2 KG B. 2.3 KG C. 3.2 KG D. 4 KG |
| 7 | Cannizzaro reaction is not given by | A. Trimethyl accetaldehyde B. Acetaldehyde C. Benzaldehyde D. Formaldehyde |
| 8 | Aldehydes are produce in atomospher by | A. Oxidation of secondary alcohols B. Reduction of alkenes C. Reaction of oxygen atoms with hydrocarbons D. Reaction of oxygen atoms with ozone. |
| 9 | In which molecule carbon atom is sp ² hybridized | A. CH ₄ B. C ₂ H ₂ C. C₂H₄ D. None of these above |
| 10 | Number of elements present in the fifth period of periodic table is. | A. 8 B. 10 C. 18 D. 32 |
| 11 | Which of the following inprts violet colouration to the non-luiminous flame of Bunsen burner? | A. NaCl B. BaCl ₂ C. CaCl ₂ D. SrCl ₂ |

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| 12 | The effect of increasing the pressure on the following equilibrium. $2\text{A} + 3\text{B} \rightleftharpoons 3\text{A} + 2\text{B}$ is. | A. Forward reaction is favoured B. Back ward reaction is favoured C. No effect D. None of the above |
| 13 | Covalent compounds are soluble in . | A. Polar solvents B. None polar solvents C. Concentrated acids D. All solvents |
| 14 | Causticisation process is used for the preparation of. | A. Caustic soda B. Caustic potash C. Borate solution D. Slaked lime |
| 15 | The rate of a reaction that does not involve gases, does not depend upon | A. Pressure B. Temperature C. Concentration D. Catalyst |
| 16 | Among the alkaline earth metals the element forming predominantly covalent compounds is. | A. Be B. Mg C. Sr D. Calcium |
| 17 | Hypo is used in photography ofr | A. Developing picture B. Picture printed C. The colour of picture D. The fixation of picture |
| 18 | Alum is not used | A. As a mordant in dyeing B. As an insecticide C. In purification of water D. In tanning of leather |
| 19 | If N_A is Avogadro's number , then numebr of valence electrons in 4.2 g of nitride ions N_3^- is. | A. $2.4 N_A$ B. $4.2 N_A$ C. $1.6 N_A$ D. $3.2 N_A$ |
| 20 | Magnesium keeps on burning in . | A. N_2 B. CO_2 C. N_2O D. N_2 as well as CO_2 |