

NAT I Medical Chemistry

| Cr. | Questions | Anguage Choice |
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| Sr | Questions | Answers Choice |
| 1 | When electricity is passed through molten Al_2O_3 + Na_3AlF_6 and 13.5 gms Al are deposited, the number of faraday must be | A. 0.5 B. 1.0 C. 1.5 D. 2.0 |
| 2 | Which of the following represents elements in order of increasing atomic size? | A. I,Br,CI B. Na,Mg,C C. C,N,O D. Li,Na,K |
| 3 | The heats evolved in combustion of rhombic and monoclinic sulphur are - 70960 and - 71030 cal mol ⁻¹ respectively what will be heat of conversion of rhombic sulphur ti monoclinic? | A. 70960 calories B. 71030 calories C70 calories D. +70 calories |
| 4 | Sulphure dioxide affects | A. Cell wall B. Plasmodesmata C. All membrane systems D. Nucleus |
| 5 | Natural fertilizer provides potassium in the form of ${\sf K}_2{\sf O}$ (potash) | A. 1.5 kg B. 3 kg C. 4.5 kg D. 6.5 kg |
| 6 | By using the fluted filter paper rate of filtration is | A. Increased B. Decreased C. Filtration is constant D. Having no effect |
| 7 | The order of reactivity of halogens in aliphatic substitution reactions is | A. Br2 > Cl2 > F2 B. Cl2 > Br2 > F2 C. Cl2 Cl2 > Br2 D. F2 > Br2 > Cl2 |
| 8 | A certain liberate 0.5 g of hydrogen in 2 h. How many grams of copper can be liberated by the same current flowing for the same time in a copper sulphare solution? | A. 12.7 gm B. 15.9 gm C. 31.8 gm D. 63.5 gm |
| 9 | Which of the following statement regarding catalyst is not true? | A. A catalyst remains unchanged in composition and quantity at the end of the reaction B. A catalyst can initiate a reaction C. A catalyst dose not alter the equilibrium in a reversible reaction D. Catalysts are sometimes very specific in respect of reaction |
| 10 | Alum is not used | A. As a mordant in dyeingB. As an insecticideC. In purification of waterD. In tanning of leather |
| 11 | The dimension of rate constant of a second order reaction involves | A. Neither time nor concentration B. Only time C. Time and concentration D. Time and square of concentration |
| 12 | The ratio of close packed atoms to tetrahedral holes in cubic close packing is | A. 1:1 B. 1:2 C. 1:3 D. 2:1 |
| 13 | The equilibrium ${\rm Cr_2O^{2-}_7\ 2CrO^2_4}$ is shifted to right in | A. An acidic medium B. A basic medium C. A neutral medium D. It does not exist |

| 14 | Which has maximum protein content? | A. Ground nut B. Cow milk C. Egg D. Wheat |
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| 15 | For most of the chemical reaction the rate of reaction | A. Increases as the reaction proceeds B. Decreases as the reaction proceeds C. May increases or decreases during the reaction D. Remains constant as the reaction |
| 16 | Reaction of ethylamine with chloroform in alcoholic KOH producers | A. CH ₃ OH B. CH ₃ NC C. C ₂ H ₅ NC D. C ₂ H ₅ CN |
| 17 | Mark the smallest atom | A. F B. Cl C. Br D. I |
| 18 | Sodium metal cannot be stored under | A. Benzene B. Kerosene oil C. Alcohol D. Toluene |
| 19 | Setting of cement is an | A. Exothermic reaction B. Endothermic reaction C. Neither exothermic nor endothermic D. None |
| 20 | Which of the substances Na, Hg, S Pt and graphic can be used as electrodes in electrolytic cells having aqueous solution? | A. Na,Pt and graphite B. Na and Hg C. Pt and graphite only D. Na and S only |