

## CHEMISTRY NMDCAT 2021 30 AUGUST MORNING SHIFT

- Q.1 The electrode through which the electron enters the electrolytic solution is  
A. Anode  
B. Cathode  
C. Salt bridge  
D. Electrolyte
- Q.2 Ccovalent bond between monosaccharide called  
A. Glycosidic  
B. Peptide  
C. Ionic  
D. Hydrogen
- Q.3 General formula for Alkane:  
A.  $C_nH_{2n-1}$   
B.  $C_nH_{2n}$   
C.  $C_nH_{2n+2}$   
D.  $C_nH_{2n-2}$
- Q.4 Alkene are also called:  
A. Olefine  
B. Paraffins  
C.  
D.
- Q.5 Aldehyde group represented by.  
A. COOH  
B. RCOR  
C. RCHO  
D. None
- Q.6 Nitration of Phenol produces:  
A. O-Nitrophenol  
B. M-nitrophenol  
C. P-nitrophenol  
D. O-M-P nitrophenol
- Q.7  $? + 2HNO_3 \rightarrow 2n(NO_3)_2 + CO_2 + H_2O$   
A.  $2nCO_2$   
B.  $2nCO$   
C.  $2nCO_3$   
D. None
- Q.8 Alcohol react with aldehyde in the presence of:  
A.  $H_2SO_4$   
B.  $K_2Cr_2O_7$   
C.  $LiAlH_4$   
D. None
- Q.9 \_\_\_\_\_ is obtained by heating bones, and tendons  
A. Histamine  
B. aniline  
C. gelatine  
D. None
- Q.10 Which has highest energy according to N+1 Rule  
A. 5d  
B. 4f  
C. 3d  
D. 3s
- Q.11 1 kalorie=  
A. 3.123  
B. 2.5 j  
C. 4.185  
D. 45
- Q.12 Alkyl halide in which carbonyl group is attached to one or more carbon atoms  
A. pri. Alkyl halide  
B. secondary  
C. tertiary  
D. none
- Q.13 Only Primary alkyl halide gives this reaction:  
A. SN1  
B. SN2  
C. E1  
D. E2
- Q.14 They show parallel overlapping and are form weak bonds  
A. Sigma bond  
B. Pi bond  
C. Both  
D. None
- Q.15 Order of rxn in which state of reactants is unity  
A. Zero  
B. 1st  
C. 2nd  
D. 3rd
- Q.16 Application of thermodynamics is:  
A. Hess's law  
B. Born herber cycle
- Q.17 Rate constant for gas is
- Q.18 An element may exist in different crystalline form

- A. Allotropy  
B. Isotropy
- Q.19 A reaction whose energy is .....sth
- Q.20  $\text{CHCl}_4$  is:  
A. Linear  
B. Angular  
C. Tetrahedral  
D. None
- Q.21 Most common rxn showed by alkyl halide:  
A. substitution  
B. Reduction  
C. Elimination  
D. Both A & C
- Q.22 Strongest force  
A. Debye force  
B. Induce dipole force  
C. Dipole dipole force  
D. Metallic bond
- Q.23 Phenol reacts with Bromine water to give:  
A. 2-Bromophenol  
B. 4-Bromophenol  
C. 2,4,6-Tribromophenol  
D. 2,4-Dibromophenol
- Q.24 Which of the following exhibits tautomerism?  
A. 4-nitrosophenol  
B. 2-nitrosophenol  
C. Ortho Benzoquinone monoxime  
D. Para Benzoquinone dioxime
- Q.25 Which one has fruity smell?  
A. Ether  
B. Ester  
C. Ethene  
D. None
- Q.26 Hydrogenation of commercial edible oils is done by the presence of which catalyst?  
A. Cu  
B. Pt  
C. Pd  
D. Ni
- Q.27 Calcium and magnesium are.  
A. Alkaline earth metals  
B. Alkali earth metals  
C. Transition Elements  
D. Both A and B
- Q.28 Which one has strong Intermolecular forces?  
A. Liquids  
B. Solids  
C. Gases  
D. plasma
- Q.29 Which has weak density?  
A. Gases  
B. Solids  
C. Liquids  
D. None
- Q.30 Which one is weakest acid?  
A. Formic acid  
B. Acetic acid  
C. Stearic acid  
D. palmitic acid.
- Q.31 Which one is strongest acid?  
A. Formic acid  
B. oleic acid  
C. Malnoic acid  
D. None
- Q.32 which one is not fatty acid?  
A. Acetic acid  
B. Palmitic acid  
C. Butyric acid  
D. Pentanoic acid

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