

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 calorie=
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. SN_1
B. SN_2
C. E_1
D. E_2
- 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 issth
- Q.20 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. Induced 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. Malonic 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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