

NAT II Physical Science Chemistry

Sr	Questions	Answers Choice
1	Covalent compounds are soluble in	A. Polar solvents B. Non-polar solvents C. Concentrated acids D. All solvents
2	Inter molecular forces in solid hydrogen are	A. Covalent forces B. Van der Waal forces or London dispersion forces C. Hydrogen bonds D. All of these.
3	During the folding of filter paper the apex form angle of about	A. 80° B. 60° C. 180° D. 90°
4	Phosphorus pentoxide finds use as	A. An oxidizing agent B. A reducing agent C. a bleaching agent D. A dehydration agent.
5	The number of atoms contained in 11.2 L of SO ₂ at S.T.P are	A. $\frac{3}{2} \times 6.02 \times 10^{23}$ B. $2 \times 6.02 \times 10^{23}$ C. 6.02×10^{23} D. $4 \times 6.02 \times 10^{23}$
6	Which has largest first ionization energy?	A. Li B. Na C. K D. Rb
7	Potassium crystallizes with a	A. Orthogonal lattice B. Cubic lattice C. Triclinic D. Ortho rhombic lattice
8	What happens when isotonic solution of A (mol. wt. 342) and B (mol. wt 60) are put in to communication through semipermeable membrane?	A. Transference of solvent from solution A to that of B take place B. Transference of solvent from solution B to that of A takes place C. No transference of solvent from solution A to that of B takes place D. Change in temperature of solutions takes place.
9	Calcium acetate when dry distilled gives	A. Formaldehyde B. Acetaldehyde C. Acetone D. Acetic anhydride
10	Which one is not a pollutant normally?	A. Hydrocarbons B. Carbon dioxide C. Carbon monoxide D. Sulphur dioxide
11	Which of the following is an example of body centred cube?	A. Magnesium B. Zinc C. Copper D. Sodium
12	Ethyl chloride on treatment with aqueous alkali gives	A. Ethane B. Ethene C. Ethanal D. Ethanol
13	The alkali metal which is liquid at 15°C is	A. K B. Cs C. Na D. None
14	Sea weeds are important source of	A. Iron B. Chlorine C. Iodine D. Bromine

15	Rusting of iron is catalysed by	A. Fe B. O_2 C. Zn D. H^+
16	Aryl halides are less reactive towards nucleophilic substitution reactions as compared to alkyl halides due to	A. The formation of less stable carbonium ion B. Resonance stabilization C. Larger carbon-halogen bond D. The inductive effect
17	Which of the following cannot be produced by acidic dehydration of alcohols?	A. Ethers B. Aldehyde C. Alkyl Hydrogen sulphate D. Alkene
18	The spectrum of helium is expected to be similar to that of	A. H B. Li^+ C. Na D. He^+
19	The isomers due to the unequal distribution of carbon atoms on either side of the functional group belonging to the same homologous series are called	A. Functional isomers B. Position isomers C. Chain isomers D. Metamers
20	Which of the following is directly related to Qualitative analysis?	A. Identification B. Separation C. Measurement D. Calculation