

NAT II Physical Science Chemistry

Sr	Questions	Answers Choice
1	A clathrate may be defined as a	A. Cage compound B. Liquid crystal C. Mixture D. Solid solution
2	The spectrum of helium is expected to be similar to that of	A. H B. Li ⁺ C. Na D. He ⁺
3	Which of the following belongs to the halogen family?	A. Francium B. Polonium C. Radium D. Astatine
4	Which of the following is not present in RNA?	A. Uracil B. Thymine C. Ribose D. Phosphate
5	The molal elevation constant is the ratio of the elevation in boiling point to	A. Mojarity B. Molality C. Mole fraction of solute D. Mole fraction of solvent
6	Which of these is the most widely used nitrogen fertilizer in Pakistan	A. Urea B. Ammonium nitrate C. Ammonium Sulphate D. Ammonium chloride
7	Which one is not a pollutant normally?	A. Hydrocarbons B. Carbon dioxide C. Carbon monoxide D. Sulphur dioxide
8	Which one of the following has the lowest boiling point?	A. B B. Al C. Ga D. Ti
9	Which inorganic precipitate acts as semipermeable membrane?	A. Calcium sulphate B. Barium oxalate C. Nickel phosphate D. Copper ferrocyanide
10	A current of 9.65 ampere flowing for 10 minutes deposits 3.0 g of the metal which is monovalent. The atomic mass of the metal is	A. 10 B. 50 C. 30 D. 96.5
11	Which of the following has least mass?	A. 2 gram atom of nitrogen B. 3×10^{23} atoms of C C. 1 mole of S D. 7.0 g of Ag.
12	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
13	The chemical composition of white lead is	A. Na_2CO_3 B. Pb_3O_4 C. $\text{Pb}(\text{OH})_2 \cdot 2\text{PbCO}_3$ D. PbO
14	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.

15	Which of the following is a colligative property?	A. Melting point B. Osmotic pressure C. Freezing point D. Sublimation temperature
16	Which one of the halogen acid is a liquid?	A. HF B. HCl C. HBr D. HI
17	Vitamin A is present in	A. Liver B. Milk C. Green vegetables D. All
18	In which molecule carbon atom is sp^2 hybridized	A. CH_4 B. C_2H_4 C. C_2H_2 D. None of the above
19	Bragg's law is given by equation	A. $n\lambda = 2d \sin \theta$ B. $n\lambda = 2d \sin \theta$ C. $2n\lambda = d \sin \theta$ D. $n\lambda = 1/2 d \sin \theta$
20	The dimension of rate constant of second order reaction involves	A. Neither time nor concentration B. Only time C. Time and concentration D. Time and square of concentration