

## NAT II Physical Science Chemistry

Sr	Questions	Answers Choice
1	The acid used in lead storage cells is	A. Phosphoric acid B. Nitric acid C. Sulphuric acid D. Hydrochloric acid
2	Sodium metal cannot be stored under	A. Benzene B. Kerosene oil C. Alcohol D. Toluene
3	Dilute hydrochloric acid solution cannot be concentrated by boiling beyond	A. 11% B. 33% C. 44% D. 22%
4	Evaporation of water is	A. An exothermic change B. an endothermic change C. A process where no heat changes occur D. A process accompanied by chemical reaction.
5	Enzymes are	A. Proteins B. Minerals C. Oils D. Fatty acids
6	Water (H <sub>2</sub> O) is liquid while hydrogen sulphide (H <sub>2</sub> S) is a gas because	A. Water has higher molecular weight B. Hydrogen sulphide is a weak acid C. Sulphure has high electronegativity than oxygen D. Water molecules associate through hydrogen
7	The addition of HBr is easiest with	A. CH <sub>2</sub> = CHCl B. ClCH = CHCl C. CH <sub>3</sub> - CH = CH <sub>2</sub> D. (CH <sub>3</sub> ) <sub>2</sub> C = CH <sub>2</sub>
8	Which of the following is an example of body centred cube?	A. Magnesium B. Zinc C. Copper D. Sodium
9	How many kinds of space lattices are possible in a crystal?	A. 23 B. 7 C. 230 D. 14
10	Sulphonation of benzoic acid produces mainly	A. o-Sulphobenzoic acid B. m-Sulphobenzoic acid C. p-Sulphobenzoic acid D. o- and p-Sulphobenzoic acid
11	Most common reactions of benzene and its derivatives are	A. Electrophilic addition reactions B. Electrophilic substitution reactions C. Nucleophilic addition reactions D. Nucleophilic substitution reactions
12	The main structure features of proteins is	A. An ester linkage B. An ether linkage C. The peptide linkage D. All
13	Sea weeds are important source of	A. Iron B. Chlorine C. Iodine D. Bromine
14	Dehydration of glycerol give	A. Propane B. Propene C. Acrolein D. Benzene

15	Acetic anhydride is obtained from acetyl chloride by the reaction of	<p>A. <math>P_2O_5</math></p> <p>B. <math>H_2SO_4</math></p> <p>C. <math>CH_3COONa</math></p> <p>D. <math>CH_3COCH_3</math></p>
16	Carbon atom holding halogen in aryl halides is	<p>A. <math>sp^2</math>-hybridised</p> <p>B. <math>sp^3</math>-hybridised</p> <p>C. <math>sp</math>-hybridised</p> <p>D. <math>sp^3d</math>-hybridised</p>
17	Which of the following reaction is used for detecting presence of carbonyl group?	<p>A. Reaction with hydroxylamine</p> <p>B. Reaction with hydrazine</p> <p>C. Reaction with phenyl hydrazine</p> <p>D. All</p>
18	Number of elements present in the fifth period of periodic table is	<p>A. 8</p> <p>B. 10</p> <p>C. 18</p> <p>D. 32</p>
19	The spectrum of helium is expected to be similar to that of	<p>A. H</p> <p>B. <math>Li^+</math></p> <p>C. Na</p> <p>D. <math>He^+</math></p>
20	Hydrolytic conversion of sucrose into glucose and fructose is known as	<p>A. Induction</p> <p>B. Inversion</p> <p>C. Insertion</p> <p>D. Inhibition</p>