

NAT II Physical Science Chemistry

Sr	Questions	Answers Choice
1	Carbon monoxide is pollutant as it	A. Inactivates nerves B. Inhibits glycolysis C. Combines with oxygen D. Combines with hemoglobin
2	What happens when CCl_4 is treated with AgNO_3 solution?	A. NO_2 will be evolved B. A white ppt. of AgCl will form C. CCl_4 will dissolve in AgNO_3 solution D. Nothing will happen
3	The percentage of oxygen in NaOH is	A. 40 B. 60 C. 8 D. 10
4	An electrolyte	A. Forms complex ions in solution B. Gives ions only when electricity is passed C. Possesses ions even in solid state D. Gives ions only when dissolved in water
5	In a crystal $a \neq b \neq c$, $\alpha = \gamma = 90^\circ$ and $\beta \neq 90^\circ$. It is	A. Monoclinic B. Rhombic C. Trigonal D. Tetragonal
6	White P when boiled with strong solution of caustic soda produces	A. Phosphine B. Phosphoric acid C. Phosphorous acid D. None
7	According to MO theory, the species O^+_2	A. Bond order of 2.5 B. Three unpaired electrons C. Diamagnetic character D. Stability lower than O_2
8	SO_2 and NO_2 produce pollution by increasing	A. Alkalinity B. Acidity C. Neutrality D. Buffer action
9	The kinetic theory of gases predicts that total kinetic energy of a gaseous assemble depends on	A. Pressure of the gas B. Temperature of the gas C. Volume of the gas D. Pressure, temperature, and volume of the gas.
10	A certain current liberate 0.5 g of hydrogen in 2 h. How many grams of copper can be liberated by the same current flowing for the same time in a copper sulphate solution?	A. 12.7 gm B. 15.9 gm C. 31.8 gm D. 63.5 gm
11	The rotation of two carbon atoms joined by double bond would happened only if	A. π bond is broken B. Sigma bond is broken C. Both bonds are broken D. None of above
12	Formic acid is obtained when	A. Calcium acetate is heated with conc. H_2SO_4 B. Calcium formate is heated with calcium acetate C. Glycerol is heated with oxalic acid D. Acetaldehyde is oxidized with $\text{K}_2\text{Cr}_2\text{O}_7$ and H_2SO_4
13	The IUPAC name of the compound having the formula $(\text{CH}_3)_3\text{C} - \text{CH} = \text{CH}_2$ is	A. 1, 1-Dimethyl-3-butene B. 1, 1, 1-Trimethyl-3-propene C. 3, 3, 3-Dimethyl-1-butene D. 3, 3, 3-Trimethyl-1-propene
		A. Oxygen

14	Which of the following is monoatomic?	B. Neon C. Fluorine D. Nitrogen.
15	In crystal structure of sodium chloride, the arrangement of Cl ⁻ ions is	A. Fcc B. Both Fcc and bcc C. Bcc D. None of these
16	Which of the following alkali metal hydroxides is the strongest base?	A. LiOH B. NaOH C. KOH D. CsOH
17	Calcium acetate when dry distilled	A. Formaldehyde B. Acetaldehyde C. Acetone D. Acetic anhydride
18	Phosphorus pentoxide finds use as	A. An oxidizing agent B. A reducing agent C. a bleaching agent D. A dehydration agent.
19	If a salt bridge is removed electrode is made from which of the following?	A. ZnCl ₂ B. CuSO ₄ C. Hg ₂ Cl ₂ D. HgCl ₂
20	The treatment of benzene with isobutene in the presence of sulphuric acid give	A. isobutyl benzene B. tert-Butyl benzene C. n- Butyl benzene D. no reaction