

NAT II Physical Science Chemistry

Sr	Questions	Answers Choice
1	Which of the following has no tin in its composition?	A. Solder B. Bronze C. Brass D. Tin stone
2	Portland cement is manufactured by using	A. Limestone, clay and sand B. Limestone, gypsum and sand C. Limestone, gypsum and alumina D. Limestone, clay and gypsum
3	Wholer prepared urea from	A. Ammonia B. NH_4CNO C. NH_3 D. Uric acid
4	Which of the following represents elements in order of increasing atomic size?	A. I, Br, Cl B. Na, Mg, C C. C, N, O D. Li, Na, K
5	A solution of sodium sulphate was electrolysed using some inert electrodes. The products at the electrodes are	A. O_2 , H_2 B. O_2 , Na C. O_2 , SO_2 D. O_2 , S_2O_8
6	Reaction of acids with alcohols is also known as	A. Esterification B. Saponification C. Alkalization D. None
7	Sodium metal cannot be stored under	A. Benzene B. Kerosene oil C. Alcohol D. Toluene
8	Carbon atom holding halogen in aryl halides is	A. sp^2 -hybridised B. sp^3 -hybridised C. sp-hybridised D. sp^3d -hybridised
9	Which for the following has greatest reducing power?	A. H B. HBr C. HCl D. HI
10	Crystal can be classified in to ----- basic crystal habits	A. 7 B. 3 C. 14 D. 3
11	Which of the following statements is correct with respect to the property of elements with increase in atomic number in the carbon family (group 14)?	A. Their metallic character decreases B. The stability of +2 oxidation state increases C. Their ionization energy increases D. Their atomic size decreases
12	Which of the following nitrogen fertilizer contain more nitrogen	A. NaNO_3 B. KNO_3 C. NH_4NO_3 D. Urea
13	Hess's law deals with	A. Changes in heat or reaction B. Rate of reaction C. Equilibrium constant D. Influence of pressure on volume of a gas.
14	Which of the following is acidic?	A. SO_3 B. N_2O C. BeO D. HgO
		A. Type of Bonding

15	Hybridization explain the ----- of orbitals	B. Shapes C. Shape and Type of bonding D. None of above
16	Wt. of 112 ml of oxygen at NTP on liquification would be	A. 0.32 g B. 0.64 g C. 0.16 g D. 0.96 g
17	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,-Dimethyl-1-butene D. 3, 3, 3,-Trimethyl-1-propene
18	Bond angle is minimum for	A. H_2O B. H_2S C. H_2Se D. H_2Te
19	The heat evolved in combustion of rhombic and monoclinic sulphur are -70960 and -71030 cal mol^{-1} respectively. What will be heat of conversion of rhombic sulphur to monoclinic?	A. 70960 calories B. 71030 calories C. -70 calories D. +70 calories
20	How many kinds of space lattices are possible in a crystal?	A. 23 B. 7 C. 230 D. 14