

Chemistry Fsc Part 1 Chapter 3 Online Test

Sr	Questions	Answers Choice
1	The shape of ICI5 according to the VSEPR model is	A. T shape B. Tetrahedral C. Trigonal panar D. Trigonal bipyramidal
2	What is molecular geopetry of SO4 ⁻² ion.	A. Tetrahedra B. Trigonal Planar C. Trigonal pyramidal D. Linear
3	Thnumebr of lone pair of electonrsein ammonium ion is	A. One B. Two C. Three D. Zero
4	Which of the followng statemtn not correct regarding bounding molecular oritals.	A. Bonding molecular orbital posses less energy than atomic orbitals from which they are formed B. Bonnding molecular orbitals have low electron density betwene the two nuclie C. Every electron in the boundg molecular orbitals contributes to the attraction between atoms. D. Bonding molecular orbitals are formed whn the electron waves undergo constructive interference
5	The bond distance betwen H-H is	A. 74.5 pm B. 436.45 pm C. 133 pm D. 154 pm
6	Which of the following will show paramagnetic property.	A. O2 B. N2 C. O 2 ⁻² D. O2 ⁺²
7	Which type of hybridization of C occurs in CO2	A. SP B. sp2 C. sp3 D. dsp2
8	Which of the following elements has incopleteoctel after making the bond.	A. Be in BeCl2 B. O in H2O C. C in CH4 D. N in NH3
9	Highest bond order is found in	A. O2 B. O2 ⁻¹ C. O2 ⁺² D. O2 ⁺¹
10	Octet rule is not obeyed b which of the following compounds during its formation	A. H2O B. NaCl C. NH3 D. PF5
11	Which of the following species has unparied electors in antibonding molecular orbitals.	A. O2 ²⁺ B. N 2 ²⁻ C. B D. F2
12	Which will have zero dipole moment	A. H2O B. BF3 C. H2S D. CHCI3
13	Which of the following species contains a dative bond.	A. NH4 B. CH4 C. SO2 D. PCI5

14	Tendency of an atom to attract the shared pair of electrons is called.	A. Electronegativity B. Honization energy C. Electron Affinity D. Electropositivity
15	Which theory explain the paramagnetic behavior exhibited by O2 molecule.	A. Band Theory B. VBT C. MOT D. VSEPR Theory
16	Chemical bond formation taken pace when	A. Force of attractio areequal to the force or repulsion B. Force of repulsion is greate than force of attraction C. Force of attraction overcome force of repulsion D. None of these
17	The molecule with linear structure is	A. H2O B. CO2 C. H2S D. BF3
18	The bond formation energy of a compund is.	A. Equal to bond idssociation energy B. Less thanbond idssociation energy C. Greater than bond dissociate energy D. Inverselyproportional to bond dissociation energy
19	What is bond angele in NF3?	A. 102 ^o B. 109.5 ^o C. 104,5 ^o D. 107.5 ^o
20	How many electrons are presente in the valence shell of P in PO4 $^{\rm 3}$	A. 8 B. 10 C. 12 D. 14