Atomic Structure

Sr	Questions	Answers Choice
1	Square root of the freuency of X-rays is.....atomic number	A. Directly proportional to B. Inversely Proportional to C. Equal to D. Half of
2	What information does the pricnipal quantum numerb (n) gives us about orbitals	A. size B. Shape C. Spin D. Size and shape
3	Number of neutrons present in Cl are	A. 18 B. 17 C. 19 D. 25
4	If we remove electrons from an atom until the nucleus is left, then it is called.	A. Ionization energy B. Ionization potential C. Successive ionization energy D. All
5	Formula for calculating the value of (Azimuthal quantum number)	A. n+1 B. n-1 C. n+2 D. 2n2
6	How many unparied electrons are present in an atom of cobalt.	A. Two B. Three C. Four D. Five
7	In n = 3, then elecron sin this shell are.	A. 2 B. 8 C. 18 D. 32
8	The three p orbitals in a given energy level are oriented.	B. Along the same axis C. At 45^o each other D. Mutually perpendicular to each other along the x, y , and z axes. E. In a complex tetrahedral arrangement
9	1st ionization energy is.	A. Exothermic B. Endothermic C. Both D. Depend upon atom
10	Quantum numebr values for 2 p orbitals are.	A. n = 2, , l = 1 B. n = 1, 1= 2 C. n = 1, 1= 0 D. n= 2,1 = 0
11	s-subshell has.....orbital	A. 1 B. 2 C. 3 D. 4
12	An oribtal cna accommodate how many electrons.	A. 1 B. 2 C. 3 D. 4
13	Atom having same atomic numebr but different mass numebr are called.	A. Isotopes B. Isotones C. Isobars D. Isoelecrons
14	d-block elements are also called.	A. Inner transition B. Outer transition C. Typical transition D. None

15	Which of the following atoms show anomalous configuration.	A. Cu B. CO C. Fe D. Ni
16	Subshells in an atom are filled with electrons in an increasing order of their energy values called.	A. aufbau pricniple B. Hund's rule C. Pauli's Exclusion Principle D. None
17	The value for (n) Principal quantum numebr can not be.	A. 0 B. 1 C. 2 D. 3
18	The quantum numebr values for the fourth electron of Be atom are.	A. 1,0,0 B. 2,0,0 C. 2,1,0 D. 1,1,1
19	How many electron presetn in Cl are.	A. 17 B. 18 C. 19 D. 35
20	A p orbital has a characteritic shape with how many lobes.	A. 1 B. 2 C. 3 D. 4