

## Atomic Structure

Sr	Questions	Answers Choice
1	Atom having same atomic number but different mass number are called.	<p>A. Isotopes</p> <p>B. Isotones</p> <p>C. Isobars</p> <p>D. Isoelectrons</p>
2	Which of the following atoms show anomalous configuration.	<p>A. Cu</p> <p>B. CO</p> <p>C. Fe</p> <p>D. Ni</p>
3	A p orbital has a characteristic shape with how many lobes.	<p>A. 1</p> <p>B. 2</p> <p>C. 3</p> <p>D. 4</p>
4	The shape of d-orbitals are like	<p>A. Complicated</p> <p>B. Polar</p> <p>C. Spherical</p> <p>D. Cloverleaf</p>
5	How many subshells are present in M-Shell	<p>A. 1</p> <p>B. 2</p> <p>C. 3</p> <p>D. 4</p>
6	d-block elements are also called.	<p>A. Inner transition</p> <p>B. Outer transition</p> <p>C. Typical transition</p> <p>D. None</p>
7	Square root of the frequency of X-rays is.....atomic number	<p>A. Directly proportional to</p> <p>B. Inversely Proportional to</p> <p>C. Equal to</p> <p>D. Half of</p>
8	Orbitals having same energy are called.	<p>A. Hybrid orbitals</p> <p>B. Valence orbitals</p> <p>C. Degenerate orbitals</p> <p>D. d-orbital</p>
9	The value for (n) Principal quantum number can not be.	<p>A. 0</p> <p>B. 1</p> <p>C. 2</p> <p>D. 3</p>
10	How many d orbitals are there in a given energy level.	<p>A. 1</p> <p>B. 5</p> <p>C. 3</p> <p>D. 7</p>
11	In which subshell electrons are filled first according to n+1 rule.	<p>A. 2p</p> <p>B. 3p</p> <p>C. 4p</p> <p>D. 4s</p>
12	Two electrons in the same orbital have.	<p>A. Same Spin</p> <p>B. Different spin</p> <p>C. May same or different</p> <p>D. Parallel spin</p>
13	Atoms having same atomic mass but different atomic number are called.	<p>A. Isobars</p> <p>B. Isotopes</p> <p>C. Isotones</p> <p>D. Isoelectrons</p>
14	Subshells in an atom are filled with electrons in an increasing order of their energy values called.	<p>A. aufbau principle</p> <p>B. Hund's rule</p> <p>C. Pauli's Exclusion Principle</p> <p>D. None</p>
15	The space orientation for f-subshell is.	<p>A. 3</p> <p>B. 7</p> <p>C. 1</p>

		D. $5s$
16	Electronic cloud around the nucleus is uniformly distributed in all directions in.....subshell	A. $f$ B. $s$ C. $d$ D. $p$
17	When $3d$ subshell is completely filled, the next entering electron goes into.	A. $4f$ B. $4p$ C. $4s$ D. $4d$
18	Mass of neutron in amu is.	A. $1.0073$ B. $1.0067$ C. $1.0087$ D. $1.0000$
19	What information does the principal quantum number ( $n$ ) give us about orbitals	A. size B. Shape C. Spin D. Size and shape
20	How many $d$ -orbitals are showing their lobes along axis.	A. $1$ B. $3$ C. $2$ D. All