

## Chemistry Fsc Part 1 Online Test

Sr	Questions	Answers Choice
1	The atomis radius is of the order of	A. $10^{-8}$ cm B. $10^{-8}$ cm C. $10^{-12}$ cm D. $10^{-10}$ cm
2	Orbitals having same energy are called	A. Hybird orbitals B. Valence orbitals C. Degenerate orbitals D. D-orbitals
3	Quantum number value for 2p sub shell are	A. $n = 2, l = 1$ B. $n = 1, l = 1$ C. $n = 1, l = 0$ D. $n = 2, l = 0$
4	In the ground state of an atom, the electron is present	A. In the nucleus B. In the second shell C. Nearest to the nucleus D. Farthest from the nucleus
5	Splitting of spectral lines when atoms are subjected to strong electric field is called	A. Zeeman effect B. Stark effect C. Photoelectric effect D. Compton effect
6	Rutherford's model of atom failed because	A. The atom did not have a nucleus and electrons B. It did not account for the attraction between protons and neutrons C. It did not account for the stability of the atom D. There is actually no space between the nucleus and the electrons
7	The wave number of the light emitted by a certain source is $2 \times 10^6$ m. the wavelength of this light is	A. 500 nm B. 500 m C. 200 nm D. $5 \times 10^7$ m
8	The velocity of photon is	A. Independent of its wavelength B. Depends on its wavelength C. Equal to square of its amplitude D. Depends on its source
9	The nature of positive rays depends on	A. The nature of electrode B. The nature of discharge tube C. The nature of residual gas D. All of the above
10	The number of Na <sup>+</sup> ions which surround each Cl <sup>-</sup> ion the NaCl crystal lattice is	A. 8 B. 12 C. 6 D. 4
11	NaCl is face centered cubic structure. The Na ion at the face of the unit cell is shared by	A. 2-unit cells B. 4-unit cells C. Only one unit cell D. 8-unit cells
12	How many allotropic forms are present in carbon	A. Two B. Three C. Four D. Five
13	Which one of the following substances is not amorphous	A. Polymer B. Rubber C. Glass D. AgNO <sub>3</sub>
14	Diamond is a bad conductor of electricity because	A. It has a tight structure B. It has a high density C. There are no free electrons present in the crystal of diamond to D. It has a high melting point

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| 15 | The molecules of CO <sub>2</sub> in dry ice form the                                  | A. Ionic crystal<br>B. Covalent crystals<br>C. Molecular crystals<br>D. Any type of crystals           |
| 16 | One of the following liquids has lowest vapour pressure at 32°C. Indicate that liquid | A. Ether<br>B. Chloroform<br>C. Ethanol<br>D. Water                                                    |
| 17 | The distillation of a solution under reduced pressure is called                       | A. Fractional distillation<br>B. Destructive distillation<br>C. Distillation<br>D. Vacuum distillation |