

## PPSC Chemistry Full Book Test

Sr	Questions	Answers Choice
1	Group VA of the periodic table consist of elements.	A. 3 B. 4 C. 5 D. 6
2	The process requirieng the absorption of energy of.	A. F = F B. Cl = Cl C. H = H D. O = O
3	Which element out of the following can exhibit a maximum co valency of seven.	A. Chlorine B. Fluorine C. Sulphur D. Both Cl and F
4	When to a solution of weak electrolyte a strong electrolyte with a common ion is added, the dissociation of weak electrolytes is suppressed . This is known as.	A. Stark effect B. Salt effect C. Common ion effect D. Zeman effect
5	Catenation is a process of.	A. Formaton of cations B. Deposition of cations C. Formation of long chain of identical atoms D. Formation of covalent bond
6	Which of the following alkyl halide undergoes nucleophilic substitution reaction via the formation of a carboncation.	A. 1-chloro -2 methyl propane B. 2- chlro-2-methyl propane C. 2- chloro butane D. 1-Chloro, 3,3- dimethyl pentane
7	Coordination compound show	A. Structural isomerism B. Stereo isomerism C. Both A and B D. None of above
8	Which of the following compounds shows optical activity	A. Lactic acid B. Maltose C. Glucose D. All above
9	In reverse phase chromatography which of the analyte will be eluted more readily.	A. Polar B. Non polar C. Semi polar D. All above
10	Rutherford proposed the nuclear model of the atom to account for the result of experiments in which the alpha particles are scattered from metal foils. Which of the following statements in not related to Rutherford observation.	A. An atom consists of central core or nucleus around which the protons exist.  B. The nucleus has most of the mass of the atom C. the nucleus consists of protons and neutrons. D. Each distinct atom has a specific number of protons.
11	The efficiency of a reversible heat engine depends only on the	A. Temperature of the heat sink B. Temperature of the heat source C. Temperature of the heat source and sink D. Pressure of the fluid
12	Which of the following statements is false about transition metals.	A. They form complexes     B. They show variable valency     C. All transition metal compounds are paramagnetic     D. They form coloured ions
13	The noble gas which was discovered first in the sun and then on the earth is.	A. Helium B. Neon C. Argon D. Xenon
		A. A sigma bond is weaker than a pi pond

14	Which of the following statements is correct.	B. There are four coordinate bonds in the Lewis structure of NH4+ ion. C. The 1 covalent bond is directional in nature D. A single bond between the two atoms cannot be re bond.
15	Which of the following statements is not correct with respect to applications of Hammett equations.	A. It develops a quantitative relationship between structure and reactivity B. This equation on can be used to calculate the value of pK <sub>a</sub> C. This equation does not help to calculate the rate of some reactions D. This equation has mechanistic implications
16	Amorphous boron on burning in air form	A. B(OH)3 B. Only B2O3 C. Only BN D. Mixture of B2O3 and BN
17	For the respiration of sea divers mixture is used.	A. He & O2 B. Ar & O2 C. Ne & O2 D. Kr & O2
18	The important condition for the formation of chemical bond is that.	A. Their electron clouds should not diffuse B. Both atoms should have high electron affinites. C. Both atoms should have same electronegativities D. The process should be accompanied by the lowering in potential energy.
19	Which of the following is the active ingredient in ordinary household bleach.	A. HCI B. CI2 C. NaCI D. NaCIO
20	Which of the following metal ion cannot be catimated by gravimetric analysis.	A. K+ B. Ca <sup>2+</sup> C. Al3+ D. Zn2+