

PPSC Chemistry Full Book Test

Sr	Questions	Answers Choice
1	Which is the correct order of wave number of the following redistions.	A. X-rays > uv > Infrared > visible > radio waves B. X-rays > uv > visible > Infrared > radio waves C. X-rays > radio waves > uv > visible > Infrared D. X-rays > Infrared > uv > visible > radio waves
2	In 1952 who popularized the use of CFT for inorganic chemist	A. Bethe B. Orge C. Van Vleck D. Werner
3	Among the solvents given below, with dielectric constant (E) given in parentheses which has highest solubility of KCl?	A. Benzene (E=0) B. Carbon disulphide (E = 0) C. Methanol (E =32) D. Acetone (E = 2)
4	Which of the following analytical technique is used for the separation of an interfering substance or analyte from the mixture.	A. Precipitation B. Distillation C. Electrode position D. All above these
5	Which of the following is renewable energy source.	A. Moon B. Wind C. Sun D. Ocean
6	Which of the following ions is smallest in size.	A. F- B. Cl- C. I- D. Br-
7	Which of the following statements is correct.	A. A sigma bond is weaker than a pi bond B. There are four coordinate bonds in the Lewis structure of NH ₄ ⁺ ion. C. The 1 covalent bond is directional in nature D. A single bond between the two atoms cannot be re bond.
8	Which of the following molecules belongs to C _{av} point group.	A. H ₂ O B. H ₂ S C. NH ₃ D. BF ₃
9	The diameter of fly ash particles is._____ micro meter	A. 5-10 B. 10-20 C. 20-30 D. 100
10	The principle former of almost all glasses is	A. (SiO ₂) _n B. (SiO ₃) _n C. (SiO ₂) D. None of these
11	Which parameter of a chemical reaction will change with the use of a catalyst.	A. Delta F, change in free energy B. Delta S, change in entropy C. Delta E, change in internal energy D. K, the rate constant
12	A minor constant is one whose amount in the sample is	A. 0.1 to 1 % B. 0.01 to 1% C. 1 to 10% D. None of the above
13	The rate constant of a reaction has same units as the rate of the reaction The reaction is of.	A. Second order B. First order C. Three order D. Zero order
14	The bond length is measured by	A. X-ray diffraction B. Neutron diffraction

		C. Microwave spectroscopy D. All of above
15	The sugar present in DNA is	A. D- Ribose B. D-Glucose C. 2- Deoxy D-Ribose D. 3-Deoxy D-ribose
16	For each value of l. the number of m velocity are.	A. n^{2l+2} B. 2l C. (2l+1) D. (n+1)
17	Trimethylamine is a weaker base than dimethylamine is explained by	A. Steric effect B. Resonance effect C. Inductive effect D. All above
18	Which of the following elements would have the lowest first ionization energy	A. Mg B. Rb C. Li D. Ca
19	Which of the following statement is not correct with respect to electrometric effect.	A. It is permanent effect B. It is brought into play instantaneously at the demand of attacking reagent C. It proceeds a polar addition reaction D. The original electronic condition is restored after the removal of tacking regent.
20	Which of the following radical is a member of VI group.	A. Mg^{2+} B. Na^{+} C. K^{+} D. NH_4^{+} E. All above