PPSC Chemistry Full Book Test

Sr	Questions	Answers Choice
1	At constant temperature , the decrease in Halmholts free energy is equal to.	A. Decrease in entropy B. Increase in entropy C. Reversible work done by the system D. All types of work done
2	Which of the following statement represent advantages of sanitary Landfill	A. Economical method B. Low initial investment C. Flexible daily capacity D. All above
3	Which of the following responsible for depletion of ozone layer in upper strata of the atmosphere.	A. Polyhalogens B. Ferrocene C. Freons D. Fullerencs
4	Which element among the following cannot exhibit variable electronvalency	A. ₂₉Cu B. ₅₀Sn C. ₂₅ Mn D. ₃₈ Sr
5	The greater stability of bonzyl carbonium ion as compared to t-butyl carbonium ion is due to.	A. Inductive effect B. Resonance effect C. Electrometric effect D. All above
6	NH4OH in the presence of H2S is used as a group reagent for which of the following group.	A. Group I B. Group II C. Group III D. Group IV
7	Which of the following molecule does not contain the covalent bond between similar atoms.	A. N2H4 B. F2O2 C. H2F2 D. H2O2
8	What refers to the removal of zinc from brasses?	A. Dezincification<o:p> </o:p> B. Graphitization<o:p></o:p> C. Stabilization<o:p></o:p> D. Denitration<o:p></o:p>
9	The internal resistance to flow possessed by a liquid is called its.	A. Fluidity B. Viscosity C. Surface tension D. Turbidity
10	What is the activation energy of a reaction whose rate constant increases by a factor of 100 upon increasing the temperature from 300 K to 360 K.	A. 27 B. 35 C. 42 D. 69
11	In compressive strength of a nanotube _____ its tensile strength.	A. I less than B. Is greater than C. Is equal to D. Less than or equal to.
12	Commercial incinerators produce.	A. Smoke B. CO C. NOx D. All above

13	In which pair of species, the Lewis formula contain same number of Lone pairs and bond pairs but they are not iso electronci.	A. O2 B2 B. SO2, O3 C. PCl3, BF3 D. SOCl2, COCl2
14	Which one of the following sets of elements has the strongest tendency to form positive ions in gaseous state.	A. Li, Na, K B. F, Cl, Br C. Be, Mg, Ca D. O, S , Se
15	Which of the following devoice is used to measure potential difference between celctrodes.	A. Polarimetre B. Conductometer C. Voltmeter D. Photometer
16	Which of the following process is involved in nitrogen flotation	A. Non symmetric fixation of nitrogen B. Fixation by soil bacteria C. Fixation by yeast D. Fixation by blue green algae E. All above
17	In statistical mechanics, there exists a function which contains all the information about a macroscopic system. This function is known as.	A. Eigen function B. Wave function C. Partition function D. Distribution function
18	Which of the following statements is not correct. with respect to resonance.	A. The position of atomic nuclei mus be same B. The limiting structures must have same number of paired and unpaired electrons. C. The energy of the various limiting structures must contribute equally D. All above
19	What is clinker.	A. Roasted calcareous material B. Roasted argillaceous material C. Roasted calcareous and argillaceous material D. Roasted gypsum
20	The normality of 2.3 M H2SO4 solution is.	A. 0.46 N B. 0.23 N C. 2.3 N D. 4.6 N