

PPSC Chemistry Full Book Test

Sr	Questions	Answers Choice
1	Each of the following compound is an aromatic except.	A. Benzene B. Naphthalene C. Cyclopentadienyl cation D. Cyclopentadienyl anion
2	The emission of light characteristics of metal and correlation of intensity of the light emitted with concentration of that metal forms the basis of.	A. Roman spectroscopy B. IR spectroscopy C. Flame photometry D. Rotational spectroscopy
3	Which of the following process is not involved in the purification of bauxite.	A. Bayer's process B. Serpek's process C. Hall's process D. Goldsmith's process
4	In the reaction $\text{RCO}_2\text{Na} + \text{Na OH (CaO)} \rightarrow \text{RH}$, we eliminate carboxylate group as.	A. CO_2 B. Na_2CO_3 C. $-\text{CO}$ D. CaCO_3
5	Which of the following molecule does not contain the covalent bond between similar atoms.	A. N_2H_4 B. F_2O_2 C. H_2F_2 D. H_2O_2
6	In a system of designating wrought aluminum alloys. what does the second digit represents.	A. The purity of aluminum B. The identity of the alloy C. The modification of the alloy group or impurity limits D. None of above
7	Which of the following technique is useful to remove metal ions from an interfering matrix.	A. Solvent extraction B. Electrophoresis C. Cataphoresis D. Gel permeation
8	Which of the following technique has flame as a source of excitation energy.	A. UV spectroscopy B. I-R spectroscopy C. Flame photometry D. Raman spectroscopy
9	For a chemical reaction $A \rightarrow \text{products}$, the rate of the reaction doubles when the concentration of A is increased by 4 times the order of the reaction is.	A. 0 B. 1 C. $1/2$ D. 4
10	The most stable carbonium ion is	A. See butyl B. n-butyl C. Tert butyl D. None of the above
11	Nanoscience can be studied with the help of	A. Quantum mechanics B. Newtonian mechanics C. Macro dynamics D. Grophysics
12	Which among the following is insoluble in water.	A. LiOH B. KOH C. NaOH D. RbOH
13	In second group of inorganic qualitative analysis, the S^{2-} ions does not form precipitate with which of the following ions.	A. Hg_2^{2+} B. Cu^{2+} C. Al^{3+} D. Cd^{2+}
14	The velocity possessed by maximum fraction of molecules at a given temperature is called.	A. Average velocity B. Root mean square velocity C. Most probable velocity D. None of the above
15	Is an instate able colourless gas with a sticky sweet odor and is extremely toxic.	A. B_2H_6 B. B_4H_{10} C. B_3H_9 D. B_2H_4

16	Pick out the incorrect statement	A. The geometry around 'N' atom in trimethylamine is pyramidal B. The geometry around N atom in trisilylamine is planar C. The nitrogen atom in trimethylamine is sp^2 hybridized whilst in trisilylamine it is sp^2 hybridized D. Trisilylamine has donor properties whilst trimethylamine has no donor properties.
17	The bond order for BO molecule is.	A. 2.5 B. 3.0 C. 2.0 D. 3.5
18	Final paper wound in the form of a reel having final moisture of about.	A. 6-8% B. 9 - 12 % C. 13-15 % D. 4 - 10%
19	The thermal conductivity of an SWNT along length is _____ watt/(m.k)	A. 35 B. 330 C. 386 D. 3500
20	Red colour of glass is due to the presence of	A. Cu_2O B. CoO C. MnO_2 D. CdS