

PPSC Chemistry Part IV Analytical Chemistry Online Test

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Sr	Questions	Answers Choice
1	Which of the following technique is used to separate substance of high molecular weight of different charges.	A. Dialysis B. Electrophoresis C. Solvent D. None of the abvoe
2	Which of the following term refers to nearness between several measurements of the same quantity.	A. Accuracy B. Precision C. Standard error D. Standard error of mean
3	Which of the following detector is used in HPLC system.	A. Differential refractometer detector B. UV detector C. Diode array detector D. All above
4	Which of the following physical property forms the basis of radio chemicals methods of analysis.	A. Absorption of light B. Emission of light C. Radioactivity D. Thermal conductivity
5	Solid phase micro extraction is a solvent less extraction technique This technique is used for preparation of samples for analysis by which of the following technique.	A. HPLC B. GC C. TLC D. Electrophoreals
6	TLC belongs to which of the following chromatographic techniques.	A. lon exchange B. Partities chromatography C. Adsorption chromatography D. Gel permeation
7	In second group of inorganic qualitative analysis, the S^2 -ions does not form precipitate with which of the following ions.	A. ^{Hg2+} B. Cu ²⁺ C. Ai ³⁺ D. Cd ³⁺
8	An acid base titration involves a neutralization reaction in which an acid is reacted with an equivalent amount of base The titrant is always a strong acid or base The analyte may be	A. Strong acid B. Strong base C. Weak acid and Weak base D. All above
9	Which of the following is not strong electrolytes.	A. HCI B. H2SO4 C. HNO3 D. CH3COOH
10	Which of the following is not a component of AAS.	A. Hollow cathode lamp B. Burner C. Detector D. Tungsten lamp
11	The exchange equilibrium in gas chromatography depends on.	A. Solubility or absorbability of he sample B. The polarity of he stationary phase and analyte C. The degree of H bonding D. All above factors
12	It has been observed that if one goes on adding KNO3 solution to a precipitate of AgCl the solubility of these precipitates goes on increasing with increasing concentration of K+ and NO3= ions which are not common to AgCl This is due to which effect.	A. Divers ion effect B. Uncommon ion effect C. Activity effect D. All above
13	Which of the following species is very poor oxidizing agent	A. H+ B. Zn ²⁺ C. Fe ³⁺ D. MnO ₄
14	Beside the common silica based SPE particles, polymer supports are also available They have advantages over silica based SPE particles, Which of the following reason is possible.	A. These are stable over a wide pH range. B. These do not possesses residual silica groups C. These are designed to be wettable and have high capacity than silica base particles. D. All above

15	It is known that AgCl is insoluble in HNO3 but dissolves readily in NH4OH solution .Which of the following statement is not correct.	A. Ag ion reacts to form complex win NH4OH solution B. The concentration of Ag ion decreases C. Ionic product is less than the solubility product D. Ionic product is greater than solubility product
16	When a solute is dissolved in two immiscible solvents it will distributes itself between two phases and the ratio of the concentration of the solute in two phases will be constant, This is known as.	A. Starke law B. Distribution law C. Equilibrium law D. Snell's law
17	In normal mode of operations of liquid liquid partition, a polar stationary phase is used with a non polar mobile phase Which of the following solvent is used as mobile phase.	A. Ethanol B. Propanol C. Butanol D. Hexane
18	Which of the following is not an adsorption indicator.	A. Eosin B. Bromocrsol green C. Fluorescein D. Phenolphthalein
19	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
20	The titration involving oxidation reduction reactions is called.	A. Complex titration B. Simplex titration C. Redox titration D. Acid base titration