

PPSC Chemistry Part IV Analytical Chemistry Online Test

Cr.	Quartiena	Anguero Choice
Sr	Questions	Answers Choice
1	Which of the following techniques involves ion exchange phenomenon.	A. Size exclusion chromatography B. lon exchange chromatography C. GLC D. HPLC
2	Which of the following materials is not suitable as adsorbent for chromatography.	A. Silica gel B. Activated charocal C. Alumina D. Calciu7m chloride
3	Amino acids are are important in biochemistry which of the following statements is not correct regarding amino acids.	A. These are amphoteric substances tend to undergo internal protein transfer B. In aqueous solutions these substances tend to undergo internal proton transfer C. These for zwitter ion in aqueous medium D. These always contain two amino groups.
4	Dull red flame is observed with	A. Calcium salt B. Barium salt C. Strontium salt D. Sodium salt
5	Which of the following steps is not involved in chemical analysis.	A. Separation of sample in pure form B. Separation of the sample in the mixture form C. Preparation of sample for the analyisis D. Validity of experimental results
6	Which of the following techniques is used for cleanup of samples prior to introduction into chromatographic column.	A. Paper chromatography B. TLC C. Solvnent extraction D. Solid phase extraction E. Both C and D
7	Which of the following salt is water insoluble.	A. K2SO4 B. Na2SO4 C. BaSO4 D. None of abvoe
8	The process of identifying the component present in a sample is called.	A. Quantitative analysis B. Qualitative analysis C. Volumetric analysis D. Gravimetric analysis
9	The term accuracy refers to how near the observed value is to.	A. Mean value B. Low value C. True value D. Standard value E. Both C and D
10	Cobalt salt imparts which colour to the borax bead	A. Blue B. Green C. Red D. Yellow
11	Which of the following group reagent is used for III group of basic radical.	A. Dilute HCl B. H2S + HCl C. NH4OH + NH4Cl D. NH4OH + H2S
12	The technique which involves the equivalence relation between the quality of electric current passed and quantity of chemical change taking place in the electrochemical cell is called.	A. Voltametry B. Coulometry C. Polarography D. Potentiometry
13	In reverse phase chromatography which of the analyte will be eluted more readily.	A. Polar B. Non polar C. Semi polar D. All above

14	The number 7.65 is rounded to.	A. 7.6 B. 7.7 C. 7.5 D. 7.8
15	The pH of 0.01 N NaOH is.	A. 12 B. 13 C. 14 D. 11
16	The sample characteristics affecting the weight loss curve include.	A. Amount of sample B. Sample particle site C. Heat of decomposition reactions D. All
17	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
18	Suppose a sample is analyzed for a particular constituent by two different method One can tell whether the two average values are significantly different by applying which of the following test.	A. Student's test B. F test C. Chi square test D. Variance
19	Which of the following methods is chemical in nature.	A. Acid bas titration B. Redox titration C. Complexometric titration D. All above methods
20	Which of the following statements is not correct with respect to limitations of flame photometry.	A. Low energy of the exciting source B. Liquid samples are generally used C. Can be employed for direct detection halides or inert gases D. It does not provide informatin about the molecular forms of metals.