

PPSC Chemistry Part IV Analytical Chemistry Online Test

Sr	Questions	Answers Choice
1	The theoretical plate in chromatography is represented by how many equilibrium step	A. One B. Two C. Three D. Four
2	Which of the following is not a component of HPLC system.	A. Pumps B. Columns C. Particle collector D. Injection system.
3	The relative populations of gourd state and excited state populations at a given flame temperature can be estimated using.	A. Boltzmann distribution law B. Maxwell law C. Lambertie law D. Beer's law
4	The process of determining amounts of each of the components in a sample of matter is termed as.	A. Gravimetric analysis B. Coulometric analysis C. Quantitative analysis D. Qualitative analysis
5	Which of the following methods is chemical in nature.	A. Acid bas titration B. Redox titration C. Complexometric titration D. All above methods
6	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⁺
7	Which of the following physical property forms the basis of radio chemicals methods of analysis.	A. Absorption of light B. Emission of light Radioactivity D. Thermal conductivity
8	The common temperature detecting device in DTA are.	A. Thermocouples B. Thermopiles C. Thermistore D. All
9	Which of the following salt is colourless.	A. Zn salt B. Co salt C. Ni salt D. Mn salt
10	The equilibrium constant value for a chemical reaction is 5 x 10^{20} which of the following statement is true with respect to this value.	A. Reaction will be reversible B. Reaction will proceed in backward direction C. Reaction is at equilibrium D. Reaction will proceed in the forward direction
11	Which of the following technique is useful to remove metal ions from an interfering matrix.	A. Solvent extraction B. Electrophorests C. Cataphorests D. Gel permeation
12	Which of the following fuel is used in flame photometry.	A. Hydrogen gas B. Acetylene gas C. Methane D. Propane E. All above
13	Which of the following analytical technique is used for separating similar substance by preferential adsorption or partition between two phases.	A. Distillation B. Dialysis C. Chromatography D. Solvent extraction
14	Which of the following extract is used for wet tests of acid radicals.	A. Calcium carbonate extract B. Sodium iodide extract C. Sodium carbonate extract D. Ammonium carbonate extract
		A. Acetylene air

15	Which of the following mixture is used as most popular flame in AAS.	B. Acetylene O2 C. Hydrogen air D. Hydrogen O2
16	The proper number of significant figures in the number 0.0780 is.	A. 3 B. 1 C. 4 D. 2
17	Which of the following is not strong electrolytes.	A. HCI B. H2SO4 C. HNO3 D. CH3COOH
18	The concentration required to give a signal equal to three times the standard deviation of the baseline is called.	A. SensitivityB. Detection limitC. Signal to noise ratioD. None of the above
19	Which of the following factor is involved in band boarding that occur in column chromatography.	A. Number of theoretical platesB. Eddy diffusionC. In phase mass transferD. All above
20	Which of the following technique in current voltage technique	A. Amperometry B. Voltammetry C. Poteatiomertry D. Polarography