

## PPSC Chemistry Part IV Analytical Chemistry Online Test

Sr	Questions	Answers Choice
1	Dull red flame is observed with	A. Calcium salt B. Barium salt C. Strontium salt D. Sodium salt
2	A minor constant is one whose amount in the sample is	A. 0.1 to 1 % B. 0.01 to 1% C. 1 to 10% D. None of the above
3	The number of significance figures in the number 80.7 is.	A. 1 B. 2 C. 3 D. 4
4	In which of the following techniques the solvated molecules are separated according to their size by their ability to penetrate a sieve like structure.	A. Adsorption chromatography     B. Partition chromatography     C. Ion exchange chromatography     D. Gel permeation chromatography
5	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
6	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
7	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
8	The number of significant figures in the number 0.216 is	A. 1 B. 2 C. 3 D. <strike>4</strike>
9	Which of the following species is very poor oxidizing agent	A. H+ B. Zn <sup>2+</sup> C. Fe <sup>3+</sup> D. MnO <sub>4</sub>
10	Which of the following technique is based on the absorption of light radiation.	A. Spectrophotomerty B. Colorimetry C. NMR D. All the above technique
11	Which of the following salt is soluble in water.	A. BaCO3 B. SrCO3 C. CaCO3 D. K2CO3
12	Which of the following salt is colourless.	A. Zn salt B. Co salt C. Ni salt D. Mn salt
13	Which of the following sulphide is yellow in colour.	A. HgS B. PbS C. CdS D. SnS
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
15	Which of the following extractant is used to solid phase extraction	A. Bonding of C18 chains on silica B. Bonding of C20 on paper C. Bonding of C18 on glass D. Bonding of C20 on cellulose

16	Which of the following is not a component of flame photometer.	A. Pressure regulator and flow meters. The atomizer C. The burner D. Hallow cathode lamp
17	DTA is of great importance in which of the following field	A. Ceramic B. Metallurgy C. Mineralogy D. All
18	The absorbance is directly proportional to the path length in the flame and to the concentration of atomic vapor in flame is a statement of.	A. Lambert's law B. Beer's law C. Honery's law D. Starke law
19	Which of the following radical is not a member of III group	A. Al <sup>3+</sup> B. Fe <sup>2+</sup> C. Ca <sup>2+</sup> D. Fe <sup>3+</sup>
20	Which of the following range is correct for macro analysis.	A. Minimum 100 mg B. Minimum 10 mg C. Minimum 1 mg D. Minimum 1000 mg