Basic Separation Techniques

Sr	Questions	Answers Choice
1	In paper chromatography mobile phase is	A. Organic liquid B. Water C. Inorganic liquid D. All of these
2	Which of the followign is the main purpose of sepration techniques.	A. Meixing substances B. Purifying substances C. Heating substances D. Cooling substances
3	Whcih separation technique uses differenes in boiling points.	A. Distillation B. Chromatography C. Filtration D. Centrifugation
4	Crystallization, the crystals form due to.	A. Freezing of water B. Cooling of a hot saturated solution C. Evaporation at room temperature D. Boilng at low pressure
5	Petroleum is separatated by	A. Simpel distilation B. Fractional distillation C. Crystallization D. filtration
6	It is suspected that hand writenlegal document has been changed by over writing some crucial figures. Which technique you wil use to check the inks used at suspected places.	A. Distillation B. Chromatography C. Solvent extraction D. Crystallization
7	The porous material used to separate the solid from the liquid during filtratio is called the.	A. Filtrate B. Filter medium C. Residoue D. Solvent
8	The good insolubel preceution whihc should be used for solutions that react with paper	A. Filter paper B. Do not filter C. Asbestos mat D. Cannot be answered
9	Which what man's chromatographic paper is used for paper cromatography	A. No. 1 B. No. 0 C. No10 D. No. 4
10	In petroleium refining fractional distillation separates fractions based on	A. Melting point B. Boiling point C. Density D. Viscosity
11	Boiling point of Ethyl Alcohol is.	A. 78 ^oC B. 100 ^oC C. 83 ^o D. 98 ^oC
12	The pore size of flter paper depends upon	A. Size of funnel B. Size of precipitate C. Do not depend on anything D. Nature of liquid
13	In paper chromatography the stationlary phase is.	A. Solvent B. Paper C. Ink D. Air
14	Asprin is used as	A. Analgesic B. Antipyretic C. Botha a and b D. None of these
15	The essential requirement for separating two liquids by simple distillation is that their boiling points shuld differ by at least	A. 5 oC B. 10 oC C. 25 oC

		D. 50 oC
16	In distillation heating should be done.	A. Gently and steadily B. Vigorously C. Very fast D. With high pressure
17	In water treatment plants, filtration usually follows.	A. Sedimentation B. Distillation C. Sublimaton D. Chromatography
18	The key differecne between simple distillation and fractional distillation is the presence of.	A. Condenser with a larer surface area B. More powerful heat source C. Fractionatng column D. Vacuum pump
19	How many arrrangements are there for paper chromatography	A. 1 B. 2 C. 3 D. 4
20	In chromatogrphy, a locating agent is used to.	A. Dissolve the sample for separation B. Carry the separated components along the sationary phase C. make colorless separated compnents visible for identification D. Privent the sample from intercting with the sationary phase