

10) A mixture of common salt, sulphur, sand and iron filings is shaken with carbon disulphide and filtered through a filter paper. The filtrate is evaporated to dryness in a china dish. What will be left in the dish after evaporation?

- a) Sand b) Sulphur c) Iron filings d) Common salt

11) Two substances A and B when brought together form a substance C with the evolution of heat. The properties of C are entirely different from those of A and B. the substance C is:

- a) A compound b) An element
c) A mixture d) None of the above

12) Camphor can be purified by:

- a) Distillation b) Filtration c) Sedimentation d) Sublimation

13) Which one of the following will result in the formation of a mixture?

- a) Crushing of a marble tile into small particles
b) Breaking of ice cubes into small pieces
c) Adding sodium metal to water
d) Adding milk in water

14) Purity of a solid substance can be checked by its:

- a) Boiling point b) Melting point c) Solubility in water d) Solubility in alcohol

15) A mixture of ethanol and water can be separated by:

- a) Filtration b) Decantation c) Fractional distillation d) Sublimation

16) Salt can be obtained from sea water by:

- a) Filtration b) Decantation c) Evaporation d) Sublimation

17) A sample contains two substances and has uniform properties. The sample is:

- a) A compound b) A heterogeneous mixture
c) An element d) A homogeneous mixture

18) A mixture of methyl alcohol and acetone can be separated by:

- a) Distillation b) Fractional distillation
c) Steam distillation d) Distillation under reduced pressure

19) Mixture of sand and sulphur may best be separated by:

- a) Fractional crystallization from aqueous solution
b) Magnetic method
c) Fractional distillation
d) Dissolving in CS_2 and filtering

20) Which component of the mixture (Fe + S) reacts with hydrochloric acid and gives hydrogen gas?

- a) Sulphur b) Iron
c) Both d) None