



CHEMISTRY

33. The cleaning action of soap is due to
A. Its dissociation in to ions in water
B. The presence of Na^+ ions in soap
C. The formation of associated colloid
D. Its action as an emulsifying agent.
34. Gold number is minimum in case of
A. Gelatin B. Egg albumin
C. Gum Arabic D. Starch
35. Mist is an example of colloidal system of
A. Liquid dispersed in gas
B. gas dispersed in gas
C. Solid dispersed in gas
D. solid disperses in air
36. In which of the following Tyndall effect is not observed?
1. suspension 2. Emulsion 3. Sugar solution 4. Gold sol
37. Colloidal gold is given by injection to act as
A. Disinfectant
B. Anticancer drug
C. germ killer
D. Tonic to raise vitality of human system
38. Which one is an example of micelles system?
A. Soap + water B. Rubber + water
C. Protein + water D. Starch + water
39. Surface tension of the Lyophilic sols is
A. Lower than that of water
B. Higher than that of water
C. Equal to that of water
D. Cannot be predicted.
40. Colloid of which of the following can be prepared by electrical dispersion method?
A. Sulphur B. Ferric hydroxide
C. Arsenic sulphide D. Gold
41. Solubility of a gas in a liquid increases with,
A. Increase of P & T
B. Decrease of P & increase of T
C. Increase of P & decrease of T
D. Decrease of P & T.
42. Molarity(M), molality (m), formality (F) and mole fraction (x) those independent of temperature are
A. M, m B. F, x
C. m, x D. M, x.
43. The value of osmotic pressure does not depend upon
A. Concentration
B. Temperature of the solution
C. No. of particle of the solute
D. Structure of the solute particle
44. A solution, which has higher osmotic pressure as compared to other solution, is known as
A. Hypotonic B. Hypertonic
C. Isotonic D. Normal
45. Blood is found to be isotonic with
A. Conc. NaCl solution
B. Very dilute NaCl solution
C. 0.91% NaCl solution
D. Saturated NaCl solution
46. Which of the following colligative properties can provide molar mass of proteins with greater precision?
A. Relative lowering of vapour pressure
B. Elevation of boiling point
C. Depression in Freezing Point
D. Osmotic pressure
47. If dry air is passed through two bulbs one containing solvent & other solution, the decrease in weight will be
A. More in solvent bulb
B. More in solution bulb
C. Same in both the bulbs
D. Nil in both the bulbs
48. Which of the following is not a colligative property?
A. Freezing point
B. lowering of vapour pressure
C. Osmotic pressure
D. Elevation in the boiling point