

42. Example of Protogenic solvent
 a) Sulfuric acid b) HCl c) Nitric acid d) All of above
43. Example of protophillic solvent
 a) NaOH b) Lithium methoxide c) Na- methoxide d) All
44. In the preparation of 0.1N HClO₄, the quantity of acetic anhydride must be optimum.
 Comment
 a) If added in more quantity then amine drug may acetylate and give wrong results
 b) If added in less quantity then water may interfere with titration
 c) Formation of acetyl perchlorate can cause explosion.
 d) All
45. Perchloric acid is standardized by
 a) Benzoic acid b) Potassium hydrogen phthalate c) Oxalic acid d) tartaric acid
46. Which of the indicator is used in non aqueous titrations?
 a) Crystal violet b) Oracet Blue B c) Thymol Blue B d) All
47. AgCl has to filtered off before titration using method
 a) Modified Volhard method b) Volhard method c) Fajan's Method d) Mohr's Method
48. Which method follows the principle of formation of colored precipitate at the end point?
 a) Fajan's method b) Volhard's method c) Mohr's Method d) All
49. Ferric ammonium sulphate is used as an indicator in
 a) Fajan's method b) Volhard's method c) Mohr's Method d) All
50. Potassium chromate is used as an indicator in
 a) Fajan's method b) Volhard's method c) Mohr's Method d) Modified Volhard Method
51. Which of the following is an example of adsorption indicator
 a) Phenolphthalein b) Eosin c) Methyl Red d) Thymol blue
52. EDTA, a multidentate ligand has how many site for binding?
 a) 6 b) 5 c) 4 d) 7
53. End point in complexometric titrations are indicated by
 a) Redox b) Metallochromic c) Acid Base d) None
54. Which one is a sequestering agent
 a) salicyldoxime b) EDTA c) 8-hydroxy quinoline d) All
55. Indicator used in complexometry
 a) Eriochrome Black II b) Mordant Black 2 c) Xylenol orange d) All
56. Calcium gluconate is assayed by
 a) complexometry b) Argentometry c) Acid-Base d) Iodometry
57. Technique where analyte is separated from a solution as precipitate and converted to compound of known composition is
 a) Volatilization Gravimetry b) Precipitation Gravimetry c) Electro-gravimetry
 d) Argentometry
58. Weight of analyte per unit weight of precipitate is..... factor
 a) Precipitation b) Gravimetric c) Electrogravimetric d) None of above
59. Digestion of precipitate is known as
 a) Aging b) Ostwald ripening c) Gravimetric factor c) co-precipitation
60. Unit of conductance in SI is
 a) Volt b) Ampere c) Mhos d) Siemens

61. Hydrogen and Hydroxide ions have both potent
 a) Conductivity b) Molar conductance c) conductance enhancers d) All
62. Example of reference electrode is except
 a) Calomel electrode b) Silver silver electrode c) Std. H electrode d) Antimony electrode
63. Which of the following is used as indicator electrode in polarography?
 a) Glass b) Dropping mercury electrode c) Platinum d) Silver
64. For qualitative analysis by polarography, characteristic parameter is
 a) Diffusion current b) Half wave potential c) Voltage d) All
65. Residual current is sum of condensor current and
 a) Limiting current b) Faradic current c) Migration Current d) Ilkovic current
66. Oxidation involves
 a) Loss of H₂ b) Loss of O₂ c) Gain in H₂ d) Gain in electrons
67. Reduction involves
 a) Loss of H₂ b) Loss of O₂ c) Gain in H₂ d) Gain in electrons
68. Formation of electrical double layer in polarography is during formation of
 a) Residual current b) Limiting Current c) Diffusion current d) Migration current
69. Difference between residual and limiting current is
 a) Migration I b) Kinetic I c) Diffusion I d) Faradic I
70. When the current reaches a steady state, it is called as
 a) Migration I b) Kinetic I c) Limiting I d) Diffusion I
71. When conc. of oxidized and reduced forms at electrode surface is equal, it is
 a) Half wave potential b) Faradic I c) Migration I d) Diffusion I
72. When rate of diffusion of ions is equal to rate of reduction of ions, it is called as
 a) Migration I b) Kinetic I c) Limiting I d) Diffusion I