Acid-Base Chemistry

Sr	Questions	Answers Choice
1	pH of blood is around.	A. 6.0 B. 7.4 C. 5.4 D. 8.0
2	CH3COONA is a salt of.	A. Strong acid+ Strong base B. Weak acid+Strong base C. None D. Weak base+Weak acid
3	Which one of the following compound is added in purficatio of NaCl in common ion efffect.	A. HCl B. H2SO4 C. HNO3 D. HF
4	The Bronsted Lowry definition identifies acid as.	A. Electron pair acceptors B. Proton donors C. Proton acceptors D. Elecron pair donors
5	Which of the following pair form a buffer solution .	A. HCl and NaCl B. CH3COONa and CH3COOH C. NaOH and HCl D. NH3 and Na2SO4
6	If Ka of acetic acid is 1.8 X 10^{-5}, IT IS	A. Strong acid B. Base C. Weak acid D. Neutral
7	Which indicator is typically used for titration involving strong acids and strong bases.	A. Methyl red B. Phenolphthalein C. Bromothymol blud D. Litmus solution
8	Which is more acidic pH3 or pH 5?	A. Both same B. pH 3 C. pH5 D. Cannot say
9	Which acid is present in vinegar	A. CH3COOH B. HNO3 C. H2SO4 D. HCl
10	In an acid base titration, the equivalence point is reached when.	A. pH of the solution is 7.0 B. The indicagor changes color C. Equal volumes of acid and base have been added D. The reaction stops
11	The pKa value for HCOOH is.	A. 4.74 B. 3.78 C. 4.78 D. 4.24
12	Acid rain is mainly due to	A. SO3 and NO3 B. CO2 C. H2 D. CH4
13	An acid with low Ka value is.	A. Strong B. Weak C. Base D. Neutral
14	Strong bases have	A. Low Kb B. High Kb C. Low pH D. High Ka
15	KOH is an example of	A. Strong Base B. Weak acid C. Neutral salt

		D. Weak base
16	The pH scale ranges typically from	A. 1 -10 B. 0 - 14 C. -1 to 1 D. 7 - 14
17	Which of the following is the conjugate base of water.	A. OH- B. OH+ C. H2O D. H2O+
18	The solubility product of AgCl is 2.0 x 10^{-10} mol2 dm-6. The maximum concentration of Ag+ ions in the solution is.	A. 2.0 x 10⁻¹⁰ mol dm⁻³ B. 1.41 x 10⁻⁵ mol dm⁻³ C. 1.0 x 10⁻¹⁰ mol dm⁻³ D. 4.0 x 10⁻²⁰ mol dm⁻³
19	A buffer solution is.	A. Stron acid+ strong base B. Weak Acid + Its salt C. Weak base + Its salt D. Weak base+ salt of strong acid
20	Which of the following is a tribasic acid.	A. H3PO4 B. HNO3 C. HCl D. H2SO4