Rajesh institute

 Acid,bases and salt {Date-22/6/11}

1-One or more correct answer.

1)which of the following compound are neutral to litmus?

 (a) NaNo3 (b) NaCl (c) NaHCO3  (d)Ca(OH)2

2) Acids ...............

 (a) Produce the hydroxyl in COH (b)Produce one hydronium ion (H3O+)

 (c)One proton doner (d) Have low PH

3)Bases........

 (a) Are slipery in felling (b) Taste sour (c) Taste bitter (d)Have low PH

4)Which of the following is a weak base?

 (a) NaOH (b) KOH (c) NH4OH (d) Mg(OH)2

5) The hydroxyl ion may be formed by....

 (a) Acids (b) Bases (c) Water gaining a hydrogen ion (d) Alkali

6) Acid and bases are....

 (a) One electrolytes (b) Are not electrolytes . (C) Neutralise each other (d) Cause indictors to change colour

7) Which of the following are mineral acids?

 (a) Nitric acid (b) Citric acid (c) formic acid (d) Hydrochloric acid

8) In 80.250M solution of Na2PO4,the concentration of the sodium ions would be.

 (a) 0.250M (b) 0.750M (c) 0.0833M (d) 1.00M

9)Which of the following is an acidic salt?

 (a) CuSO4 (b) Na2CO3  (c) ZnSO4 (d) NH4NO3

10) Bleaching powder is soluble in cold water giving a milky solution due to....

 (a) Available chlorine (b) Lime present in it
 (c)Calcium carbonate formation (d) The absorption of CO2  from atmosphere

11)Which of the following is not a levis base?

 (a) C2H5-NH2 (b) C2H5-O-C2H5 (c) CH3OH (d) BF3

12) Ammonia gas dissolves in water to give NH4OH. In this reaction water act as..

 (a) An acid (b) A base (c) A salt (d) Conjugate base

13)The PH of gastric juices released during digestion is

 (a) Equal to 2 (b) Equal to 7 (c) More than 7 (d) equal to 0

14)Calcium phosphate is present in tooth enamel.It’s nature is....

 (a) Acidic (b) Basic (c) Amphoteric (d) Neutral

15) Which of the following will change the colour of ph paper to greenish blue?

 (a) Lemon juice (b) Vinegar (c) Common salt (d) An antacid

16) Plaster of paris hardens by........

 (a)Giving of CO2(b)Changing into CaCO3(c)Combining with H2O(d)Giving out H2O

17) A solution reacts with crushed egg shells to give a gas that turns lime water milky . The solution contains...

 (a) ­Nacl (b) Hcl (c) Licl (d) Kcl

18) Ph of two solutions A & B at 298K and 2 and 4 respectively. This means that .

 (a) Solution A is twice as acidic as B (b) Solution B is twice as acidic as A

 (c) Solution A is 100 times more acidic than B

 (d) Solution B is 100 times more acidic than A

19)When Zinc reacts with NaOH,the products formed are .............&........... .

20)Phenolphthalin is ..............

 (a) Yellow in acidic medium and pink in basic medium

 (b) Pink in acidic medium & colourless in basic medium

 (c) Colourless in acidic medium and pink in basic medium

 (d) Pink in acidic & yellow in basic medium

21)On electrolysis of Brine solution , thhhe products formed are ........... ,............&............... .

22) The raw materials required for the manufacture of Na2CO3 by solve process are .............. , ..............&.............. .

23) The water of crystallization in apsom salt is :

 (a) 5 molecules (b) 4 molecules (c) 7 molecules (d) 6 molecules

24)A neutral solution:

 (a) Lacks all forms of ions (b) Lacks H3O+ ions only

 (c) Has a PH of 7 (d) Has equal concentration of H3O+ & OH- ions

25) Identify the acidic or basic behaviour of each substance in these reactions:

 (a)H3O++Cl- =H2O +HCL (b) H3PO4+H2O=H3O++H2PO4—(c) HSO4-+H2O=H3O+SO4-

26)The anhydride of sulphuric acid is

 (a) SO2 (b) SO3 (c) H2SO3 (d) None of these