



ST. LAWRENCE HIGH SCHOOL



A JESUIT CHRISTIAN MINORITY INSTITUTION

- Subject- Chemistry
- Date -1.05.2020

Answers of Worksheet -31

Class – IX

Chapter: Acid, base and salts.

Answer the following questions (MCQ) :

(1×15):

1. Which one of the following is acidic?

- (a) Lemon juice (b) Tomatoes (c) Milk (d) All

Answer d.All

2. Which one of the following will turn red litmus blue?

- (a) Vinegar (b) Baking soda solution (c) Lemon juice (d) Soft drinks

Answer b.Baking soda solution

3. Which one of the following will turn blue litmus red?

- (a) Vinegar (b) Lime water (c) Baking soda solution (d) Washing soda solution

Answer a.Vinegar

4. Methyl orange is

- (a) Pink in acidic medium, yellow in basic medium
(b) Yellow in acidic medium, pink in basic medium
(c) Colourless in acidic medium, pink in basic medium
(d) Pink in acidic medium, colourless in basic medium.

Answer a.Pink in acidic medium,yellow in basic medium

5. Lime water is

- (a) CaO (b) Ca(OH)₂ (c) CaCO₃ (d) CaCl₂

Answer b.Ca(OH)₂

6. The nature of calcium phosphate is present in tooth enamel is

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

Answer a.Basic

7. Which of the following salts has no water of crystallization?

- (a) Blue vitriol (b) Washing soda (c) Baking soda (d) Gypsum

Answer c.Baking soda

8. The function of quick lime in soda lime mixture is to

- (a) Absorb moisture present in soda lime
- (b) Increase the efficiency of soda lime
- (c) Increase the pH of soda lime
- (d) Take part in reaction with NaOH

Answer a. Absorb moisture present in soda lime.

9. The pH of a solution of HCl is 4. This shows that the molarity of the solution is

- (a) 4.0M
- (b) 0.4M
- (c) 0.0001M
- (d) 0.001M

Answer a. 4 M

10. The difference of molecules of water in gypsum and PoP is

- (a) 5/2
- (b) 2
- (c) 3/2
- (d) 1/2

Answer c. 3/2

11. Which of the following does not form an acidic salt?

- (a) Phosphoric acid
- (b) Carbonic acid
- (c) Hydrochloric acid
- (d) Sulphuric acid

Answer b. Carbonic acid

12. The chemical formula of caustic potash is

- (a) NaOH
- (b) Ca(OH)₂
- (c) NH₄OH
- (d) KOH

Answer d. KOH

13. When an acid reacts with metal carbonate, the products are

- A. salt
- B. water
- C. carbon dioxide
- D. all of above

Answer D. all of above

14. Preservatives are used to preserve

- A. food
- B. acids
- C. bases
- D. water

Answer A. food

15. Phenolphthalein in acidic solution is

- A. colorless
- B. pink colored
- C. yellow colored
- D. orange colored

Answer A. colourless.

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