Seven Star International School Bani

Class - 7th Subject - Science Time : 60 min. Max. Marks : 30

All questions are compulsory.

Question 1 Multiple choice questions. (6)

1. Which of the following will turn blue litmus to red
   a. Lime water.
   b. Lemon water
   c. Sugar solution
   d. Salty water
2. Acidic soil can be neutralised by
   a. Vinegar
   b. Quick Lime
   c. Orange juice
   d. Tamarind juice
3. Which of the following types of medicines is used for treating indigestion?
   a. Antibiotics
   b. Antacid
   c. Antiseptic
   d. Antipyretic
4. What isthe colour of turmeric indicator in a basic solution?
   a. Green
   b. Reddish brown
   c. Yellow
   d. Pink
5. The strength of an acid or base can be known using a
   a. Litmus paper
   b. pH paper
   c. Turmeric paper
   d. China Rose indicator
6. Which of the following is not a indicator?
   a. Phenolphthalein
   b. China Rose
   c. Sodium
   d. Sodium hydroxide
   e. Litmus

Question 2 Assertion and reason type. (3)

Directions: In the following questions, a statement of assertion is followed by a statement of reason. Mark the correct choice as:

a. Both A and R are true, and R is the correct explanation of A.
b. Both A and R are true, but R is not the correct explanation of A.
c. A is true, but R is false.
d. A is false, but R is true.

1. Assertion (A): The pain caused due to antsting can be neutralised by baking soda.
   Reason (R): Ant sting is acidic in nature.
   2.Assertion (A): A salt is produced when an acid is neutralised by a base.
   Reason (R): A salt can be acidic, basic or neutral.
   3. Assertion (A): To neutralise the excess acid formed in the stomach, milk of magnesia (antacid) is taken.
   Reason (R): Milk of magnesia (antacid) contains a base called magnesium hydroxide.

Question 3 Case – based questions. (4)

Priya's father was suffering from severe stomach pain. He was showing symptoms of heartburn and indigestion. He consulted a doctor who told him that he was suffering from acidity and advised him to take an antacid tablet after each meal. Priya's father followed the advice strictly and was cured.

1. Which acid is produced in our stomach?

(a) Sulphuric acid
(b) Hydrochloric acid
(c) Nitric acid
(d) Phosphoric acid

2. Antacids contain:

(a) acid
(b) base
(c) salt
(d) both (a) and (b)

3. Milk of magnesia is an antacid which contains:

(a) magnesium chloride
(b) magnesium phosphate
(c) magnesium hydroxide
(d) magnesium nitrate

4. Is a glass of lemon water gives relief in indigestion?

Question 4 What do you understand by the terms: (4)

a. Indicator
b. Alkalis
c. Organic acid
d. Base

Question 5 Study the following table and fill the A B C D E F (3)

Sample	Color of china rose	Color of turmeric	Nature
Soap solution	Green	A	B
Lemon juice	C	Yellow	Acidic
Vinegar	D	Yellow	E
Salt solution	Remain red	Remain yellow	F

Question 6 Give theanswer of the following questions (10)

a. Give difference between acids and bases. (2)
b. What are the Products formed in a neutralization reaction? Explain neutralization reaction with chemical equation. (2)
c. How does a farmer Treat soil that is too basic? (2)
d. Give one example of each of the following: (2)
    1. A natural indicator _____
    2. A mineral acid _____
e. Name the acid that is present in apples and curd. (2)