Date 30/5/20   Class – 7

English
Answers of exercise - 2
Answers:

1. Subject - John
   Predicate - works hard.
2. Subject - I
   Predicate - like to read   books .
3. Subject - My dress
   Predicate - is beautiful.
4. Subject - The sun
   Predicate - sets in the west.
5. Subject - Raghu
   Predicate - has come first in the race.
6. Subject - The foolish crow
   Predicate - tried to be the peacock.
7. Subject - The naughty boys.
   Predicate - played a prank on their new friend.
8. Subject - Her new dress
   Predicate - looks beautiful.

Exercise 3

Rearrange the following words to make meaningful sentences.

1. Burgled was Jane's yesterday house.
2. Leaving tomorrow James and Henry be will London for.
3. You are who.
4. Scientist was great a Einstein.
5. Beautiful what painting it is.
6. late to it never is.
7. Which subject favourite your is.
8. Me tell what happened please.

        Science
Q1. If you are a manufacture of soap, which base would you require?
Ans:Sodium hydroxide is the base which is used to manufacture soaps.

Q2. Name the reaction between an acid and a base which forms a salt and water.
Ans:The reaction between an acid and a base which results into salt and water is called the neutralization reaction.

Q3. Give two examples each of strong acids and weak acids.
Ans:Examples for strong acids: Sulphuric acid and nitric acid.
Examples for weak acids: Citric acid (present in citrus fruits) and acetic acid (vinegar).

Q3. If a liquid turns blue litmus red, is it an acid, base or salt?
Ans:If a liquid turns blue litmus red, then it is an acid.

Q4. Why are acids not stored in metal containers?

Ans:Acids are corrosive in nature. They can react with metals and corrode them, that's why acids are not stored in metal containers.

Q5. Is the 'baking soda' used in baking bread and cake an acid, a base or a salt? What is its chemical name and formula?

Ans:

Baking soda is basic in nature because it is made up of a strong base(NaOH) and weak acid(H_2CO_3). The chemical name of baking soda is sodium bicarbonate and its formula is $NaHCO_3$.

Maths

1.) A Cement Company Earns A Profit Of ₹8 Per Bag Of White Cement Sold And A Loss Of ₹ 5 Per Bag Of Grey Cement Sold. The Company Sells 3,000 Bags Of White Cement And 5,000 Bags Of Grey Cement In A Month. What Is Its Profit Or Loss?

2.)

A Certain Freezing Process Requires That Room Temperature Be Lowered From 40 OC At The Rate Of 5 OC Every Hour. What Will Be The Room Temperature 10 Hours After The Process Begins

3.)

A Plane Is Flying At The Height Of 5000 M Above The Sea Level. At A Particular Point, It Is Exactly Above A Submarine Floating 1200 M Below The Sea Level. What Is The Vertical Distance Between Them?