

ASSIGNMENT FOR THE SESSION 2013-2014

Class: VII

Subject : Science & Tech.

Assignment No. 3

Section – A : Physics

- 1) What is fuse wires generally made off? Why is it used?
- 2) Describe the working of an electric-bell with the help of diagram.
- 3) Difference between :
 - a) convex and concave mirror.
 - b) regular and irregular reflection.
- 4) Find the position, nature and size of the image when an object is placed at C, F and between C and F in front of concave mirror.
- 5) Write the properties of image formed by a plane mirror.
- 6) When a narrow beam of sunlight is made to fall on a triangular glass prism, and a white screen is held on the other side of the prism, we observe a band of seven colour on the screen. The colour sequence obtained on the screen from its lower end is given by famous acronym VIBGYOR.
 - a) Define this phenomenon.
 - b) Give any one example of dispersion of sunlight in nature.
 - c) What value of life do you learn from this phenomenon?

Section – B : Chemistry

1. Differentiate between :
 - a) an acid and a base
 - b) Strong acid and weak acid
 - c) Hydrated and anhydrous salt
2. What are indicators? Name any two acid base indicators.
3. Define neutralization reaction .Give an example.
4. Give reason :
 - a) Why do we apply calamine lotion on the skin at the bee sting site?
 - b) Soil of an agricultural field has become too basic, how will you correct it.
5. What is meant by depletion of water table?
6. Define the term :
 - a) infiltration b) aquifer c) water table d) drip irrigation
7. Value Based Question:

Due to the disposal of the different kinds of waste in the water bodies, water gets polluted. Suggest some measures for the proper disposal of the waste. What moral values are associated with the above statement.

Section – C : Biology

1. What is meant by absorption, assimilation and digestion ?
2. What are villi?
3. Draw a well labelled diagram of digestive system found in ruminants.
4. How does exchange of gases take place in plants, earthworm and fishes?

5. Distinguish between arteries and veins.
6. How transport of water and minerals take place in plants?
7. List two causes and consequences of deforestation?
8. What are decomposers?
9. A teacher assigned his students a task to find out blood group of any ten of their friends or family members and make a chart of blood group that each one can receive from in case of emergency.
 - a. What might be the objective of this activity?
 - b. What values does the objective signify?

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