FULL.MARKS-75

CLASS-VIII   SUB: -SCIENCE

All questions are compulsory: -

1. **Choose the correct option for each of the following: -**   ½ x 5 = 2 ½

    a. **Fiber obtain by chemical treatment of word pulp is**

i.	Nylon	ii.	Rayon
iii.	Acrylic	iv.	Polyester

    b. **A synthetic fiber used for making woolen clothes.**

i.	Polyester	ii.	Acrylic
iii.	Rayon	iv.	Polyethylene

    c. **Which of the following is bio-degradable?**

i.	Plastics Bags	ii.	Aluminum Sheet
iii.	Tin	iv.	Woolen bags

    d. **Which one of the following can be used as a substitute for a glass?**

i.	Teflon	ii.	Perfex
iii.	PVC	iv.	Melamine

    e. **Nylon was first prepared from**

i.	Coal, water & Air	ii.	Word Pulp
iii.	Acrylic	iv.	Polyester

2. **Fill in the blanks:**   ½ x 5 = 2 ½

    a. **The element that does not react with water under any conditions is _____.**

    b. **The metal present at the top of the activity series is _____.**

    c. **In an animal tissue, one cell is separated from another by a _____.**

    d. **Shrillness of sounds is characterized by its _____.**

    e. **Loudness of sound is proportional to square of its _____.**

3. **Write True or False:-**   5

    a. **Image in a plane mirror is laterally inverted.**

    b. **Electrolyte is a chemical substance which allows electricity to pass through it.**

    c. **Base water is a bad conductor of electricity.**

    d. **Vocal cords vibrate to help humans to produce sound.**

    e. **Lower is the frequency of vibration, higher is pitch.**

4. Match the following:-   1x 5 = 5

Column – A	Column-B
a. Amoeba	i. Brain of a cell
b. Nerve cell	ii. Unicellular
c. Dry mount	iii. Plant cells
d. Nucleus	iv. Longest cells
e. Plastids	v. Without water

5. Complete the following equations and give two examples of each.   15
   a. Metal + oxygen
   b. Nonmetal + oxygen =
   c. Metal + water =
   d. Metal + Acid =
   e. Metal oxide + water =
   f. Non metal oxide + water =

6. Define displacement reaction. What happens when zinc react with copper sulphate solution. Write its equation.   5

7. Draw a labeled diagram of the following:-   2 ½ x 4 =10
   a. A plant cell and animal cell
   b. Parts of human eye
   c. Refraction of light
   d. Dispersion of light.

8. Project work –   10x1=10

9. Draw a diagram dry cell. Write equation happening inside the cell.   5

10. Draw set up for electrolysis of NaCl and write its equations.

11. Answer the following questions briefly:-   2x5=10
    i. What is the significance of activity series of metals?
    ii. Mention two applications of electroplating?
    iii. Give two examples for the effects of refraction observed in nature.
    iv. Define the term Pitch, Quality and loudness.
    v. Which are the three types of musical instruments? Give one examples of each.

12. Answer the following question in details:-   2 ½ x 2 =5
- What is noise pollution? Explain the necessary measure to be taken for reducing it.
- Explain the major defects of vision and suggest how to correct them.