

**Rajiv Vidya Mission (SSA) A.P., Hyderabad**  
**Summative Assessment Test**  
**Model Paper**

Name : ..... Time : 2 ½ hrs  
Roll No : ..... Class : VIII  
Subject : Phy Sci ence

| Academic Standards | A.S.1 | A.S.2 | A.S.3 | A.S.4 | A.S.5 | A.S.6 | Overall Grade |
|--------------------|-------|-------|-------|-------|-------|-------|---------------|
| Grades             |       |       |       |       |       |       |               |

**I. Conceptual understanding**

1. Explain about our Universe briefly.
2. Give two examples for each of scalar and vector quantities.
3. Classify the following into physical and chemical changes and write reasons?
  - a. Burning a piece of wood
  - b. Curdling of milk
  - c. Magnetising the piece of iron
  - d. Evaporation of water
4. What information does the following chemical equation convey?  
$$\text{CaCO}_3 + 2 \text{HCl} \longrightarrow \text{CaCl}_2 + \text{H}_2\text{O} + \text{CO}_2$$
5. What is meant by law of conservation of mass? Give an example.

**II. Asking Questions and making Hypotheses**

1. Write two questions or characteristics of a planets and stars.
2. The person runs for a long distance, before taking the “Long Jump” . Guess and write the reason.
3. Based on the your observations on changes while heating copper carbonate, write the changes on heating Calcium Carbonate.

**III. Experimentation and field Investigation**

1. The teacher has to assess and grade students based on their skills in conducting experiments using vernier callipers in class room. He shall take the following in to account :
  - a. Correcting zero error
  - b. Fixing the object between jaws
  - c. Finding vernier coincidence exactly
  - d. Recording the readings
  - e. calculation

**IV. Information skills and project**

1. The Teacher should assess the students based on the project work conducted.

Example :

1. Information about our universe
2. Finding the area of irregular bodies
3. Making of the objects / toys based on centre of gravity.

**V. Communication through drawing and model making**

1. Draw a diagram of any object that works based on Newtons third law.

Explain its working.

**VI Appreciation - Aesthetic sense and values**

1. You have studied about stars, planets, meteors, zodiacs etc. in the lesson “Our universe”. How do you feel when you look at the sky during nights?
2. You know that many substances we use in our day to day life are chemical substances. They have formulae which are used in our daily life. What happens if the substances are not indicated by their formulae?
3. What happens if there are no specific units for physical quantities?

**VII. Application to daily life and concern to bio diversity**

1. Write four events where the laws of stability hold good in our daily life.
2. Write five applications of Newton’s laws of Motion in our day to day life.
3. Write names of few substances that are used in our day to day life which change on heating.