SREE VIDYANIKETHAN
International School

Sree Sainath Nagar, Tirupati – 51710

Class: VI **HOLIDY HOMEWORK** **SCIENCE**

PHYSICS

Answer the following questions:

1.Classify the following motion as uniform motion, non-uniform motion and oscillatory motion.

(a) Car moving with constant speed

(b) Bus moving on city road

(c) Rotation of earth

(d) Riding of cycle in crowded road

(e) Pendulum of clock

(f) A swing.

2. Three students measured the length of same wall. The results of these students are different. What might be the possible reasons?

3. Arrange the following in increasing order of magnitude.

(a). 1m

(b). 1 cm

(c). 1 dm

(d). 1 cm

(e). 1 mm.

4. While measuring the length of table top, reading of scale at one end is 2 cm and reading at other end of scale is 32.5 cm. find the length of table top?

5. Height of a person is 1.75 m. express his height in cm and mm.

6. Classify the following as transparent, translucent and opaque object.

Brick, Butter paper, Air, Cardboard, Metals, Book, Smoked glass, Water, Cellophane, Paper.

7. Is air around us is always transparent? Discuss.

8. Classify the following as luminous and non- luminous body.

Star, Sun, Moon, Tube-light, Mirror, Bulb, Planets, Glass, Polished table top, Plastic.

9. Give one word/two words to replace the statement.

a. An object which allows part of light falling on it to pass through.

b. An object which gives out own light.

c. An object which does not give out own light.

d. A celestial body that reflect the light.

10. What happen when light strikes a transparent body like glass?

CHEMISTRY

1. Differentiate between weaving and knitting.

2. How is jute extracted from the jute plant?

3. Name the following:
   a. Mahatma Gandhi popularized use of this device.
   b. Device used for spinning.
   c. The season in which jute is cultivated.
   d. Part of cotton plant from which cotton is obtained.

4. Collect different separation of methods pictures and make a presentation in A4 sheet.

5. How will you separate the components of the following?

(a). Green Chillies from pulao (b). Tea leaves from (c). Wheat bran from wheat flour
(d). Sand and husk (e). Wheat, sugar and stalks (f). Water and kerosene

6. Write any three properties of solids, liquids and gases?

7. Define following.

(a) Transparent (b) Opaque (c) Translucent (d) Density

8. Define density. How is it related to floating and sinking in water.

9. What is solubility? Give two example of each soluble and insoluble in water?

10. Match the following

Column A	Column B
(a). Cleaning rice	(i). Magnetic separation
(b). Separating iron from sand	(ii). X-rays
(c). Separating two miscible liquids	(iii). Hand picking
(d). Separating two immiscible liquids	(iv). Distillation
(e). Killing harmful germ and bacteria in water	(v). Decantation

BIOLOGY

1. Collect information about the famous scientist Aristotle.

2. Draw the structure of flowering plant.

3. A food chain consists of several organisms. Suppose one of the organisms in the chain disappears. What effects can this have on the other organisms in the food chain?

4. An overworked computer software engineer works on the computer the whole day. He gets very tired after work. Somebody advised him to eat more carbohydrates and fats to get more energy. Do you think this will help him? Why?

5. Explain the importance of the following Vitamins for the body.

(a) Vitamin A (b) Vitamin B (c) Vitamin C (d) Vitamin K

6. Explain the importance of the following minerals for the body.

(a) Calcium (b) Sodium (c) Potassium (d) Iron

7. How is honey made?

8. Draw a labeled diagram of leaf.

9. Why do animals move around?

10. A car ‘eats’ fuel, ‘breath’ air, ‘excrete’ smoke and ‘move’ from place to place. Why it is not considered to be living.