

KCP SIDDHARTHA ADARSH RESIDENTIAL PUBLIC SCHOOL

Kanuru, Vijayawada – 520 007

FORMATIVE ASSESSMENT – II (PAPER PEN TEST) 2014-15

Class : VII

Marks : 30

Sub : Science

Time : 1 Hr.

I. Fill in the Blanks with suitable words.

4 x 1 = 4M

1. A caterpillar moving in a straight line covering a distance of 10 cm every minute represents _____ change.
2. Matter, that has a fixed volume and maintains its shape unless broken is a _____.
3. _____ forces are present between the molecules.
4. Measurement of _____ is very important for planning of work and monitoring of processes.

II. Match the following:

4 x ½ = 2M

A

B

- | | | |
|--------------------------------|---------|----------------------------------|
| 1. Clock | [] | a) non-uniform motion |
| 2. Bob of pendulum | [] | b) rate of change of speed |
| 3. Jogging in a circular field | [] | c) measure time. |
| 4. Acceleration | [] | d) move fastest at the midpoint. |

III. State whether true or false. If false write the correct statement:

2 x 1 = 2M

1. The motion of an object is the change in time with respect to position. []
2. Water is a molecule which is formed by combining similar kinds of atoms. []

IV. Mention the elements present in the following chemical formula:

4 x ½ = 2M

1. Hcl →
2. Co₂ →
3. H₂So₄ →
4. Caco₃ →

V. Answer the following questions in 2 – 3 sentences:

5 x 2 = 10M

1. Rameet tried to obtain carbon and oxygen from Carbondioxide by first heating it and then compressing it to a very small volume. Will he be able to obtain the element? Why or why not?
2. A car is travelling from Delhi to Jaipur at a speed of 40 km/hour. If the journey takes 6 hours, calculate the total distance travelled.
3. Define molecule in terms of an atom by giving an example.
4. A ship travels 4000 km from Chennai to Dubai at an average speed of 40 km/hr. Calculate the time it will take to reach Dubai.
5. A cat runs 30 meters in 5 sec. What is the speed of the cat?

VI. Answer the following questions in 4 – 5 sentences.

2 x 3 = 6M

1. Draw graphs representing the motion of a motor cycle:
(a) The motor cycle is stopped
(b) The motor cycle is coming back
(c) The motor cycle is travelling at constant speed.
2. Define motion. Write about
(i) Linear & Non-Linear (ii) Periodic & Non-periodic motions with examples

VII. Answer the following questions in not less than 5 sentences.

1 x 4 = 4M

1. Explain the formation of elements and compounds with examples.