

KCP SIDDHARTHA ADARSH RESIDENTIAL PUBLIC SCHOOL

Kanuru, Vijayawada – 520 007

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

Class : VI

Marks : 30

Sub : Science

Time : 1 Hr.

I. Fill in the Blanks with suitable words:

4 x 1 = 4M

1. Solutions are also a type of _____.
2. Condensation is the _____ of evaporation.
3. Butter is separated from milk by the process of _____.
4. Growth of humans from childhood to old age is of _____ change.

II. Match the following:

4 x ½ = 2M

- | A | | B |
|-----------------|---------|------------------------------------|
| 1. Filtration | [] | a) Boiling point |
| 2. Sublimation | [] | b) Difference in size of particles |
| 3. Distillation | [] | c) Heating |
| 4. Evaporation | [] | d) Volatility |

III. State whether the following statements are true or false, if false give reason:

2 x 1 = 2M

1. A saturated solution contains the same amount of solute and solvent _____. []
2. The breaking of wood is a physical change, where as breaking of an iron rod is a chemical process _____. []

IV. Show the molecular arrangement of a liquid, solid and gas through diagram.

2M

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

5 x 2 = 10M

1. Mention the different traditional methods of separating Mixtures.
2. "Cooking food is a physical change". Comment on this statement.
3. Define solubility. What are the factors that affect solubility?
4. Write two differences between reversible and irreversible changes with examples.
5. State whether the following are endothermic or exothermic reactions –
(a) melting of ice (b) lightning eruption (c) volcanic eruption (d) baking bread

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

2 x 3 = 6M

1. Why does iron rust when kept in the open air and what method can be adopted to prevent rusting?
2. A solution has been presented to Meghana, but she can see crystals at the bottom. She has been asked to make sure that the crystals redissolve. She thinks that rapid stirring might be enough.
 - (i) Which process is formation of crystals?
 - (ii) Is she correct that rapid stirring might dissolve crystals?
 - (iii) What should she do to dissolve crystals?

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

1 x 4 = 4M

1. Draw and explain the process of filtration.