

KCP SIDDHARTHA ADARSH RESIDENTIAL PUBLIC SCHOOL

KANURU, VIJAYAWADA- 520 007.

FORMATIVE ASSESSMENT -II (PAPER PEN TEST) 2014 - 2015

Class : IX
Sub : Science

Time : 1 Hr.
Marks : 30

Biology

1. Name the cell organelle which is also known as "power house of the cell"- Justify. 2M
2. Name the cell organelle which is also known as "Suicidal Bag of the cell". - Justify. 2M
3. Write any four differences between plant cell and animal cell. 2M
4. What will happen when a cell is kept in hypotonic, hypertonic and isotonic solution? 2M
5. What would happen to the life of the cell, if there was no golgi apparatus? 2M

Physics

1. What is momentum? What is its unit? 1M
2. Complete the statement : _____ is the measure of inertia 1M
3. What is the acceleration produced by a force of 12N exerted by an object of mass 3 kg. 1M
4. Why does a gunman get a jerk on firing a bullet. What is the name given to the 'Jerk'. 1M
5. Complete the statement : To every action there is an _____ and _____ reaction. 1M
6. Derive an equation to prove that force is the product of mass and velocity from newtons II law of motion. 2M
7. a) Why does a cricket player move his hands backward on catching a fast cricket ball ? 2M
b) Why are longjump pits filled with sand? 1M

Chemistry

1. Sodium Chloride in water is a mixture where as Sodium Chloride is a Compound. Write one main difference between these two. 1M
2. Classify as pure and not pure 1M
a) Air b) Distilled water c) Calcium Oxide d) Sugar water
3. Colloid is a most stable mixture. Justify the statement. 1M
4. Write two differences between physical and chemical changes. 2M
5. Write two methods by which a saturated solution can be converted into unsaturated. 2M
6. Explain the process of sublimation to Iodine crystals from sand. 3M