KHANNUR VIDYANIKETHAN SCHOOL, RANEBENNUR
MID TERM EXAMINATION OCTOBER 2020
Grade : IX   **Subject : SCIENCE**   **Marks: 40**

(USE SCIENCE HW NOTEBOOK TO ANSWER)

I) Define the following :   **1x5=5**

  1. Tissues

  2. Motion

  3. Mixtures

  4. Acceleration

  5. Cell

II) Answer the following in one sentence: **1x5=5**

  1. What is a solution?
  2. Write the equation for position velocity relation.
  3. Which cell organelle is called as the ' suicide bags '?
  4. Write SI unit of momentum.
  5. Name types of simple permanent tissues.

III) Answer the following questions in 2 to 3 sentences: **2x6=12**

  1. Which type of cell division is required for growth and repair of body
    and which type is involved in formation of gametes?
  2. What is Tyndall effect? Give an example.
  3. Write two difference between uniform and non uniform motion.
  4. Name the following:
    a) Tissue that stores fat in our body.
    b) Tissue that transports food in plants.
  5. A train starting from rest attains a velocity of 72km/h in 5 minutes .
    Assuming that the acceleration is uniform. Find the acceleration.
  6. Write the specific function of cardiac muscle.

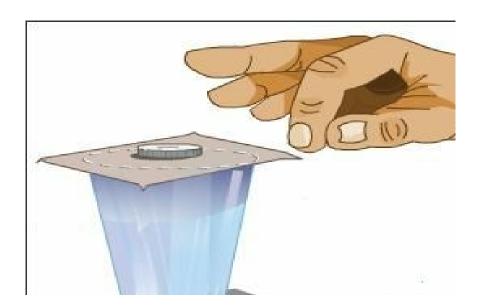**IV) Answer the following questions in 3 to 4 sentences:**   **3x3=9**

1. State first, second and third laws of motion.
2. Draw a labelled diagram of a neuron.
3. Which organelle is known as the power house of the cell? Why?

V) Answer the following questions (practical based) :   **3x3=9**

1. Write the identifying features and functions of smooth muscle fibres with a neat labelled diagram.
2. Explain the preparation of a colloidal solution of starch in water with diagram.
3. Observe the figure and answer the following questions:

    a) When card is flicked with finger why coin falls inside the tumbler?
    b) Which law of motion applies here?
    c) Define inertia.

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SUBMIT THIS ANSWER NOTE BOOK TO GRADE BUILDING ON THE LAST DAY OF YOUR MID TERM EXAM