

K.V AFS Manauri, Allahabad

Periodic test-I

Class- IX

Subject- SCIENCE

M.M-40

Time- 90 min

Note- All the questions are compulsory.

Que.1 Choose the correct answer. (1x5=5)

- I. SI unit of speed is:
a. Km b. cm c. m\|s d. km\|s
- II. SI unit of acceleration is:
a. m\|s² b. km\|h c. m\|s d. J\|s
- III. The unit of nervous system is:
a. Nephron b. neuron c. mitochondria d. plastid
- IV. Scattering of light occurs in:
a. True solution b. colloidal solution c. suspension d. water
- V. Which of the following is not a weed?
a. Wheat b. parthenium c. motha d. xanthium

Que.2 Answer the following question in short. (1x5=5)

- I. What is vermicompost?
- II. Which of the following are matter?
Chair, love, hate, air
- III. Name the technique to separate butter from curd?
- IV. Convert 50 km / h into m\|s?
- V. Which organelle is known as the powerhouse of a cell?

Que.3 Answer the following question in detail. (3x5=15)

- I. What are micronutrients? Give two examples.
- II. A mixture contains naphthalene and sodium chloride. Suggest a method for their separation.

- III. Why does the temperature of a substance remains constant during its melting point or boiling point?
- IV. A moving train is brought to rest within 20s by applying brakes. Find the initial velocity, if the retardation due to brakes is 2 m/s^2 .
- V. Distinguish between prokaryotic and eukaryotic cell.

Que.4 Answer the following questions in details.

(5x3=15)

- I. Using graphical method derive the relation $2 a s = v^2 - u^2$
- II. What is evaporation? Write the factors that affect the rate of evaporation.
- III. Draw diagram of a plant cell. Write the functions of cell wall and plastid.