

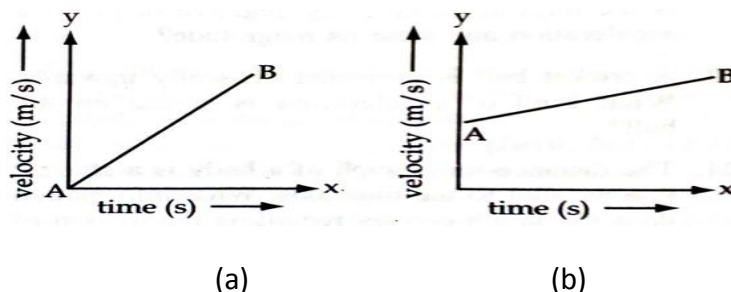


**INDIAN SCHOOL SOHAR**  
**PERIODIC TEST -1(2018-19)**  
**SUBJECT-SCIENCE**

**CLASS: IX**  
**DATE: 17/05/18**

**MAX MARKS:20**  
**DURATION: 45MINS**

1. The following velocity time graphs show the motion of a body. Explain the difference between two graphs. 1



2. What is the physical quantity measured by the area occupied below the velocity time graph? 1
3. Convert the following temperatures to: 1
- a) Celsius scale: 35K b) Kelvin scale: 74 °C
4. Name the process involved in the following changes: 1
- a) Liquid  $\longrightarrow$  Gas b) Solid  $\longrightarrow$  Liquid

PTO

SET - 2

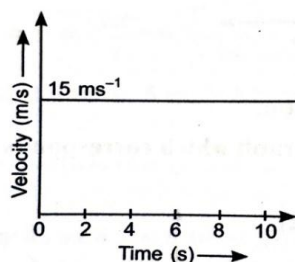


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1. Give suitable term for the following: 1
- a) Process through which Amoeba obtains its food from the external environment.
- b) Shrinkage of the contents of the cell away from cell wall.
2. The following velocity time graph shows the motion of a body. Find the displacement of the body in first 10 seconds. 1



3. Convert the following temperatures to: 1
- a) Celsius scale: 46K b) Kelvin scale: 82 °C

PTO

5. Give suitable term for the following: 1
  - a) An undefined nuclear region containing only nucleic acids.
  - b) Solution that has higher water concentration than the cell.
6. Give one example each to distinguish between uniform acceleration and non-uniform acceleration. 2
7. Which appears more colder to mouth at 0° C, ice or ice cold water? Why? 2
8. What are the chromosomes made up of? Mention any one function of chromosome in a cell. 2
9. a) Distinguish between distance and displacement. (1 point) 3
  - b) A bus decreases its speed from 80km/h to 50km/h in 4s. Find the acceleration of the bus.
10. With the help of a labeled diagram describe an activity to show that nature of matter is particulate and not continuous. 3
11. Define the term osmosis. State any two examples of osmosis that occur in plants. 3

\*\*\*\*\*THE END\*\*\*\*\*

4. Under what conditions is the magnitude of average velocity of an object equal to its average speed. 1
5. Name the process involved in the following changes: 1
  - a) Liquid  $\longrightarrow$  Solid
  - b) Solid  $\longrightarrow$  Gas
6. State the composition of Plasma membrane. Why is it called as selectively permeable membrane? 2
7. Give one example each to distinguish between uniform acceleration and non-uniform acceleration. 2
8. What produces more severe burns, boiling water or steam? Why? 2
9. a) Distinguish between speed and velocity. (Write any two points) 3
  - b) A car increases its speed from 20km/h to 50km/h in 10s. Find the acceleration of the car.
10. Distinguish between a prokaryotic cell and an eukaryotic cell on the basis of their size, cell organelles and number of chromosome. 3
11. With the help of a labeled diagram describe an activity to show that particles of matter are very small. 3

\*\*\*\*\*THE END\*\*\*\*\*