



INDIAN SCHOOL MUSCAT  
FIRST PERIODIC ASSESSMENT  
SCIENCE - 086



CLASS: IX

MAX.MARKS: 20

DATE:05-05-2021

TIME ALLOWED: 40 MINUTES

Note:

1. Answer All the Questions.
2. Draw a labelled diagram wherever it is necessary.
3. Make your handwriting legible. Scan your answer paper properly and upload it on time.
- 4.

**PHYSICS**

- |   |  |   |
|---|--|---|
| 1 | Define uniform motion.   | 1 |
| 2 | When do the distance and displacement of a moving object have the same magnitude?  | 1 |
| 3 | State any two differences between speed and velocity.  | 2 |
| 4 | a) Define average speed.<br>b) Ravi is moving with a speed of 54 km/h. How much distance will he cover in<br>(i) one minute?<br>(ii) one second? | 3 |

**CHEMISTRY**

- |   |  |   |
|---|--|---|
| 5 | Nucleus of an atom contains.<br>(a) Protons and Electrons<br>(b) Neutrons and Electrons<br>(c) Neutrons and Positrons<br>(d) Protons and Neutrons.   | 1 |
| 6 | Assertion and Reasoning:<br>Two statements are given as Assertion and Reason. You have to choose the correct option given below such as-<br>(A) Both Assertion and Reason is true, and Reason gives the correct explanation of Assertion.<br>(B) Both Assertion and Reason is true, but reason does not give correct explanation of Assertion<br>(C)Assertion is true, but Reason is false.<br>(D) Assertion is false, but Reason is true.<br><b>Assertion:</b> Electrons revolve around the nucleus in shells.<br><b>Reason:</b> The path of the electron around the nucleus is known as shell. | 1 |

- |   |   |   |
|---|---|---|
| 7 | Milk is not a pure substance. Justify giving reason.  | 2 |
| 8 | (a) Define heterogeneous mixture.<br>(b) Categorize the following as homogeneous and heterogeneous Mixture.<br>(i) Glucose in water<br>(ii) Chalk Power in water<br>(iii) Sand and iron fillings<br>(iv) Sugar crystals and Wheat powder. | 3 |

### **BIOLOGY**

- |    |   |   |
|----|---|---|
| 9  | Why Plasma membrane is called a selectively permeable membrane?   | 1 |
| 10 | Name the following:<br>(a) Who proposed that all cells arise from pre-existing cells?<br>(b) Name the longest cell in the animal body.<br>(c) Who discovered nucleus?<br>(d) The unicellular organism that can change its shape | 2 |
| 11 | (a) Why cell is called the structural unit of life?<br>(b) Define diffusion.<br>(c) Name two materials that can move across the cell membrane through diffusion   | 3 |