



INDIAN SCHOOL MUSCAT

FIRST PERIODIC TEST

SCIENCE

CLASS: IX

Sub. Code: 086

Time Allotted: 50min

27.05.2018

Max. Marks: 20

GENERAL INSTRUCTIONS:

- All Questions are compulsory.
- Draw diagrams if necessary.
- $\Pi = 3.14$

PHYSICS

1. Is it possible for an object which has moved through a certain distance to have zero displacement? Give an example for the same. 1
2. List two differences between speed and velocity. 2
3. a) Define average speed 2
b) A car travels a distance of 200 m in a time 30 s and another 150 m in a time 20 s. Calculate the average speed for the whole journey.
4. A car travelling at 40 m/s speeds up to 100 m/s in 20 s. Calculate the acceleration of the car. 2

CHEMISTRY

5. Write any two characteristics of particles of matter. 1
6. Compare solids and gases on the basis of the following properties: 2
(a) Compressibility (b) Density
7. Define the terms: 2
(a) Sublimation (b) Latent heat of Vaporisation
8. Give reasons: 2
a) Cooling effect of ice at 273 K is more than same amount of water at the same temperature.
b) Gases exert the pressure on the walls of the container.

BIOLOGY

9. Name the organic molecules by which plasma membrane is made up of. 1
10. Write the names of any two substances which is exchanged between the cells by diffusion 1
11. a) Which property of the cell membrane enables Amoeba to acquire its food? Name that process. 2
b) What will happen if we put an animal cell in a strong solution of sugar?
12. Write any two features of a Prokaryotic cell. 2

End of the Question Paper