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INDIAN SCHOOL MUSCAT

FIRST PERIODIC TEST

SCIENCE

CLASS: IX

Sub. Code: 086

Time Allotted: 50 min

27.05.2018

Max. Marks: 20

GENERAL INSTRUCTIONS:

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

PHYSICS

1. What does odometer of an automobile measure? 1
2. Write two differences between speed and velocity. 2
3. a) Define acceleration. 2
 b) A car travelling at 36 km/h speeds up to 72 km/h in 5 s. Find its acceleration.
4. a) Define average speed. 2
 b) An athlete completes a round of a circular track of diameter 200 m in 20 s. Calculate the distance travelled and displacement by the athlete.

CHEMISTRY

5. Define the term melting point of a solid. 1
6. Write four properties of particles of matter. 2
7. Give reasons: 2
 a) Liquids have definite volume but no definite shape.
 b) Diffusion in gases is very fast.
8. a) What is sublimation? 2
 b) Why does the temperature remain constant during melting?

BIOLOGY

9. If you are provided with some vegetable to cook, generally add salt into the vegetables during cooking process. After adding salt, vegetables releasing water. What mechanism is responsible for this? 1
10. Define endocytosis. 1
11. a) Plant cells and bacterial cells can withstand much greater changes in the surrounding medium than animal cells. How? 2
 b) Name the functional unit of DNA that carries genetic information.
12. Differentiate between prokaryotic and eukaryotic cell. Give any two points each. 2

End of the Question Paper