

Roll Number		
-------------	--	--

B
---



# INDIAN SCHOOL MUSCAT

## FIRST PERIODIC TEST

### SCIENCE

CLASS: IX

Sub. Code: 086

Time Allotted: 50 mts.

04.12.2018

Max. Marks: 20

#### GENERAL INSTRUCTIONS:

- All Questions are compulsory.
- Draw diagrams if necessary.

#### PHYSICS

1. Define pressure. Name its SI unit. 1
2. What is the source of centripetal force that a planet requires to revolve around the sun? 2  
On what factors does that force depend?
3. State Archimedes' Principle. Write two practical applications of this principle. 2
4. A ball is thrown up vertically with a velocity of 50m/s. How high would the ball rise? 2  
Take  $g=10\text{m/s}^2$ .

#### CHEMISTRY

5. Give any two applications of chromatography? 1
6. Write any two differences between physical and chemical changes. Give one example 2  
in which both physical and chemical changes take place.
7. (a) Name the compound formed on heating a mixture of iron filings and sulphur 2  
powder.  
(b) Name the gas produced when dilute hydrochloric acid is added to the mixture of iron filings and sulphur powder.
8. Draw a flow chart showing the separation of components of air. Name this process? 2

#### BIOLOGY

9. Mention any two criteria based on which Whittaker classified organisms into five 1  
kingdoms.
10. Classify the following organisms into its respective kingdoms: 1  
1. Agaricus      2. Euglena      3. Cyanobacteria      4. Aspergillus

- |  |   |
|--|---|
| 11. Why do we classify organisms? (any two points)   | 2 |
| 12. Which organisms are called primitive? How they are different from the advanced group of organisms? | 2 |

**End of the Question Paper**