



INDIAN SCHOOL MUSCAT

THIRD PERIODIC TEST

SCIENCE

CLASS: IX

Sub. Code: 086

Time Allotted: 50 mts

08.01.2019

Max. Marks: 20

GENERAL INSTRUCTIONS:

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

PHYSICS

1. What type of energy transformation take place in a loud speaker? 1
2. Distinguish between energy and power. 2
3. The Jog Falls in Karnataka state are nearly 20m high. 2000 tonnes of water falls from it in a minute. Calculate the equivalent power, if all this energy can be utilized? Take $g=10\text{m/s}^2$; 1 tonne = 1000 Kg 2
4. When a player hits a football, it moves along the curved path and then falls to the ground. 2
What is the work done by the force of gravity on the football? Explain.

CHEMISTRY

5. What is atomicity? Give atomicity of sulphur. 1
6. Hydrogen and oxygen combine in the ratio of 1:8 by mass to form water. What mass of oxygen gas would be required to react completely with 5gm of hydrogen gas? 2
7. Define atomic mass unit. What do you understand from the statement "relative atomic mass of oxygen is 16". 2
8. (a) Write the chemical formulae of 2
(i) Magnesium sulphate (ii) Potassium carbonate
(b) What happens to an element "A" if its atom gains two electrons?

BIOLOGY

9. Name the phylum of animals with pores . Give an example for such animals. 1
10. Explain or define the following terms in a sentence: 1
a) Cotyledon b) Corals
11. Differentiate between Bryophyta and Pteridophyta. (any two points each) 2
12. List out some common features in Cat, Bat and Rat incorporating in any class of Animalia classification. 2

End of the Question Paper