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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 electric motor? 1
2. If an electric iron of 1200 W is used for 30 minutes every day. Find electric energy consumed in 30 days in kilowatt hour. 2
3. Can any object have momentum even if its mechanical energy is zero? Explain. 2
4. a) When do we say that work is done? 2
b) When will be the work done is negative?

CHEMISTRY

5. State law of constant proportion 1
6. Give an example of following molecules of elements: 2
(i) diatomic (ii) triatomic (iii) tetra atomic (iv) polyatomic
7. Calculate the formula unit mass of NaCO_3 and CaCl_2 2
(At. Mass of $\text{Na}=23\text{u}$, $\text{C}=12\text{u}$, $\text{O}=16\text{u}$, $\text{Ca}=40\text{u}$, $\text{Cl}=35.5\text{u}$)
8. Write the formulae and names of compounds formed by combination of: 2
(i) Fe^{3+} and SO_4^{2-} (ii) NH_4^+ and CO_3^{2-}

BIOLOGY

9. Name the phylum of animals with pseudocoelome. Give an example for such animals. 1
10. Explain or define the following terms in a sentence: 1
a) Bilateral symmetry b) Open circulatory system
11. Name the subgroup of the kingdom Plantae which is called amphibians of the plant kingdom. Write two characteristic features of this subgroup. 2
12. Distinguish between Angiosperms and Gymnosperms. Give any two distinguishing features on each. 2

End of the Question Paper