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INDIAN SCHOOL MUSCAT SECOND 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 relative density. 1
2. Differentiate between mass and weight of an object. 2
3. Why does a block of plastic released under water come up to the surface of water? 2
4. To estimate the height of a bridge over a river, a stone is dropped freely on the river from the bridge. The stone takes 2 seconds to touch the water surface in the river. Calculate the height of the bridge from the water level. Take $g = 9.8 \text{ m/s}^2$. 2

CHEMISTRY

5. How can we obtain pure copper sulphate from impure sample? 1
6. Give the principle of the following technique used in separation of mixtures 2
(a) chromatography (b) simple distillation
7. (a) What are metalloids? Give one example 2
(b) Identify metals from the following: boron, sodium, mercury, carbon
8. Classify the following as a chemical or physical change: 2
(a) water boils to form steam
(b) Burning of paper
(c) An iron almirah gets rusted
(d) Making a fruit salad with raw fruits

BIOLOGY

9. Mention any two basic characteristic features used for the hierarchical classification of organisms. 1
10. Define species. 1
11. Write two-point difference between Kingdom Fungi and Monera. 2
12. What is evolution? Who described the idea of evolution and name the book? 2

End of the Question Paper