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INDIAN SCHOOL MUSCAT SECOND PERIODIC TEST

SCIENCE

CLASS: X

Sub. Code: 086

Time Allotted: 50mts

13.09.2018

Max. Marks: 20

GENERAL INSTRUCTIONS:

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

PHYSICS

1. What type of lens is used to correct (a) Hypermetropia, (b) Myopia? 1
2. Why does colour of sun appear red during sunrise and sunset? 2
3. A student sitting at the back of a class room cannot read what is written on the black board. Write two causes of his defect. With the help of a ray diagram, show the correction of this defect by using a lens. 2
4. The far point of a myopic person is 80 cm in front of the eye. Calculate the power of the lens required to correct this problem. 2

CHEMISTRY

5. What is the role of tartaric acid in baking powder? 1
6. A compound X which is prepared from gypsum has the property of hardening when mixed with water. 2
 - a) Identify compound X
 - b) Write its equation of preparation.
7. a. Name the hardest chemical substance present in our body. 2
b. Sweet tooth may lead to tooth decay. Explain, why? What is the role of tooth paste in preventing cavities.
8. With a labelled diagram describe an activity to show that metals are good conductor of electricity. 2

BIOLOGY

9. Write one major difference between reflex action and involuntary action. 1
10. Name a hormone which promotes growth in plants with its specific site of production 1
11. What is the function of receptors in human body? Name any two receptors with their specific function. 2
12. Write the role of any two hormones in human beings. 2

End of the Question Paper