

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

C



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 do you mean by power of accommodation of an eye? 1
 2. Stars appear to twinkle in the sky but planets do not. Give reason. 1
 3. A person is unable to see objects beyond 30cm clearly. Suggest the type and power of the lens required to correct this defect. 2
 4. What is hypermetropia? Write two causes for it. 3
- Draw the ray diagrams representing the cause and correction for hypermetropia.

CHEMISTRY

5. Name one metal which can melt with heat of your palm. 1
6. Five solutions A, B, C, D and E showed pH 4, 7, 1, 11 and 9 respectively when tested by a universal indicator. Which solution is : 2
 (1) Strongly acidic (2) strongly alkaline (3) weakly acidic (4) weakly alkaline.
7. State the property utilized in the following: 2
 (a) Graphite in making electrodes.
 (b) Electric wires are coated with PVC or a rubber like material.
8. A metal carbonate (X) on reacting with an acid gives a gas which when passed through a solution (Y) gives the carbonate back. On the other hand, a gas (G) that is obtained at anode during electrolysis of brine is passed on dry substance (Y) gives a compound (Z) which is used for disinfecting drinking water. Identify X, Y, G and Z. 2

BIOLOGY

9. What is the difference between sensory neuron and motor neuron? 1
10. Define reflex action. Give an example 1
11. How does the plant shoot bends when the plant is placed in a dark room having only one open window? 2
12. Name the hormone produced by the thyroid gland. Which mineral is necessary for the synthesis of the above hormone? Name the disease suffer from the deficiency of this hormone. Write the functions of the above hormone in the human body. 2

End of the Question Paper