

INDIAN SCHOOL MUSCAT

DEPARTMENT OF SCIENCE

SUBJECT: SCIENCE

CLASS: VIII

TOPIC CHEMICAL EFFECT OF ELECTRIC CURRENT

DATE OF ISSUE: 07/12/2017

Name of the student: _____ Sec: ____ Roll No: _____

Q 1 Give reasons for the following:

a) Chromium is used for electroplating.

b) Iron cans used for storing food items are electroplated with tin.

c) Bridges and automobiles are either painted or coated with zinc to prevent rusting.

2 You are given an iron rod, a copper plate and copper sulphate solution.

Explain the arrangement you will do to get a coating of copper on the carbon rod.

3 Why is distilled water an insulator? How can it be made a conductor?

4 What are electrodes? Name two elements that can be used as electrodes.

5 What is electrolysis? Give its three uses.

6 What happens when electric current passes through tap water by keeping two electrodes immersed in it? Why?

7 Draw a neat diagram for copper plating a spoon and label it.

8 What do you mean by magnetic effect of electricity? Prepare a tester to test conduction based on magnetic effect of electricity.