

BHARATH COACHING CENTRE

8thCBSE

Science

Total: 40

Chemical Effects of Electric Current

Time: 1.30 hrs

SECTION – A

5 X 1 = 5

- Which of the following is an electrolyte used for electroplating silver?
a) AgSO_4 b) CuSO_4 c) AgNO_3 d) HNO_3
- Distilled water is a _____.
a) Conductor b) Insulator c) Semiconductor d) None of these
- Anions are attracted to the _____.
a) Cathode b) Anode c) Electrolyte d) container
- The electrode connected to positive terminal is called _____.
a) Anode b) cathode c) Strap d) Rod
- Flow of charged particles constitute _____.
a) Electricity b) Electron c) Proton d) Electrolysis

SECTION – B

5 X 2 = 10

- What is electroplating? Write its uses.
- Define electrical conductivity.
- Explain electro refining.
- Name two metals widely used in automobile industry for protection from corrosion of metal parts.
- List out the electroplated objects in our daily life.

SECTION – C

5 X 3 = 15

- Why do impurities dissolved in water increase its conductivity?
- What is anode mud?
- Describe the uses of electrolysis.
- Describe electroplating with examples.
- Draw the general setup for electroplating and explain it.

16. Give reasons for the following.
- a) Operating electrical appliances with wet hands is very dangerous.
 - b) Pure water is a poor conductor of electricity.
 - c) Cathode and anode has to be placed in distance from one another.
17. With respect to electro refining of copper, answer the following questions.
- a) Which object is used as the anode?
 - b) Name the electrolyte used.
 - c) What is used as cathode?