

|                       |                                     |                        |     |
|-----------------------|-------------------------------------|------------------------|-----|
| <b>CHEMISTRY-11</b>   | <b>Chapter#10 (Complete) Test-1</b> |                        |     |
|                       | Name:                               | Class:                 | ID: |
| Date: / /             | <b>Marks Total: 30</b>              | <b>Marks Obtained:</b> |     |
| Time Allowed: 60 Min. |                                     |                        |     |

Maximum Marks: 06

**(OBJECTIVE TYPE)**

Time Allowed: 10 Min.

**NOTE:** Tick The Correct Option:

- If a strip of Cu metal is placed in a solution of  $\text{FeSO}_4$ :
  - Cu will be deposited
  - Fe is precipitated out
  - Cu and Fe both dissolve
  - No reaction takes place
- In  $\text{H}_2\text{O}_2$ , the oxidation state of oxygen is:
  - +1
  - 1
  - +2
  - 2
- Which one is not an electrolyte?
  - Aqueous NaCl
  - Cu metal
  - Molten NaCl
  - $\text{H}_2\text{SO}_4$
- Which process is used for the extraction of Al?
  - Castner-Kellner process
  - Hall-Beroult process
  - Thermite process
  - Combustion process
- In silver oxide battery, the cathode is made up of:
  - AgO
  - $\text{Ag}_2\text{O}$
  - $\text{Ag}_2\text{O}_2$
  - Ag
- Percentage of  $\text{H}_2\text{SO}_4$  solution used in lead accumulator is:
  - 40%
  - 25%
  - 30%
  - 50%

Maximum Marks: 24

**(SUBJECTIVE TYPE)**

Time Allowed: 50 Min.

**SECTION-I**

Q.2: Give brief answers to the following questions:

(16)

- Define electrochemistry.
- Calculate the oxidation number of underlined element. a)  $\text{H}_3\underline{\text{P}}\text{O}_3$  b)  $\text{Ca}(\underline{\text{Cl}}\text{O}_3)_2$ .
- Explain the difference between ionization and electrolysis.
- How is anodized aluminum prepared?
- Differentiate between single electrode potential and standard electrode potential.
- What is SHE?
- What is electrochemical series?
- What are the advantages of fuel cells?

**SECTION-II**

**NOTE:** Attempt All Questions:

(08)

Q.3: What is Galvanic cell? Give composition and working of Galvanic cell.

Q.4: Write a note on alkaline battery. Give its applications.