

**Question Bank (G scheme)**

**Name of subject: APPLIED CHEMISTRY**

**Unit Test :II**

**Subject code: 17211**

**Course : CM/IF/EJ/IE**

**Semester: II**

**Chapter 3-Cell&Batteries (MARKS16)**

2 marks-

1. Define cells and Batteries.
2. Write two limitations of fuel cell.
3. Why do dry cells stop working after some time .
4. State & explain Ohm's law.
5. Define – Specific & Equivalent conductance.
6. Define- electrolytic & electrochemical cells.

3 marks-

1. Explain construction and working of Daniel cell.
2. Define specific conductance and Equivalent conductance with their units.
3. State four advantage of fuel cell.
4. Differentiate between primary and secondary cell.

4 marks-

1. Draw neat labeled diagram of dry cell. Write the reactions involved.
2. Explain construction & working of Fuel cell.
3. Explain Discharging and Charging process of lead acid batteries.

**Chapter 4-Chemistry of electronic material(Marks-08)**

2 marks-

1. Write two properties and two applications of Teflon
2. Define Dielectrics & Insulators.
3. What is drawback of urea formaldehyde.
4. What are adhesives? Give example.
5. Give properties and uses of urea formaldehyde.

3 marks-

1. How are ceramics classified on the basis of application?
2. Give properties & uses of epoxy resin.

3. Give properties & uses of phenol formaldehyde resin.
4. Give the classification of insulating materials.

4 marks-

1. Define intrinsic and extrinsic polymers with one example each.
2. Define photoconductive polymers. Write examples and two uses of them.
3. Define electrically conducting polymers. Write examples and two uses of them.