**Engineering Chemistry- BE1/4 -Question Bank** (**2018-2019**)

**UNIT\_I**

**CHEMISTRY OF BATTERIES**

1. What is the difference between a cell and a battery?

**2. Explain construction, working and applications of Zinc-Carbon battery.**

3. What are the advantages and applications of Lithium ion cells?

4. Explain Lead-Acid battery with suitable reactions**.(Q12a, Main, June2017, 5M) (Q17a, Main, May2007, 4M)**

5. What are advantages and applications of fuel cells?

6. Describe in detail the working of Methanol– Oxygen Fuel Cells.

7. Differentiate primary battery from secondary battery.**(Q9, Suppl.,Jan. 2015,2M)(Q3,Main, June2017, 2M)(Q1, Main, May2007, 2M)**

8. Write the charging and discharging reactions in Lead-acid battery.**(Q3,Suppl.. Dec.2017, 2M)**

9.Write advantages of fuel cells **(Q4, Suppl., Dec. 2017,2M)**

10.What are fuel cells?

11.Write a note on Lithium ion batteries. **(Q16b, Suppl., Dec. 2017, 5M),**and their advantages and applications**(Q12b, Main, June 2017,5M)**

12. Write characteristics of fuel cells**(Q4, Main, June 2017,2M)**