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Question Paper Code: 58367

B.E. / B.Tech. DEGREE EXAMINATION, APRIL 2019

One credit Course

Electrical and Electronics Engineering

15UEE867-ENERGY STORAGE SYSTEMS

(Regulation 2015)

Duration: 1.30 hours

Maximum: 50 Marks

Answer ALL Questions

PART – A (5 x 2= 20Marks)

1. Define cycle life of battery.
2. List the key measures of merit for batteries.
3. Define electrochemical cell.
4. List the features of nickel cadmium batteries.
5. Define electrochemical cell.

PART – C (2 x 15= 30 Marks)

6. (a) Analyze the operation of pumped storage plant for supplying the peak load. (15)
Or
(b) Compare the energy storage technologies based on efficiency, cost, application, and technical characteristics. (15)
7. (a) Explain the fundamental operation of electrochemical cell. (15)
Or
(b) Explain the operation of zinc-Air battery. (15)

