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Question Paper Code: 58367

B.E. / B.Tech. DEGREE EXAMINATION, NOV 2018

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 essential criteria for comparing energy storage methods.
3. What are the potential uses of hydrogen and its connection to energy storage options?
4. List the disadvantages of zinc air batteries
5. Define electrochemical cell

PART – C (2 x 15= 30Marks)

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) Analyze the charging and discharging of lead acid battery (15)

