Reg. No. : | | | | | | | | | | |

Question Paper Code: 98367

B.E. / B.Tech. DEGREE EXAMINATION, NOV 2024

One credit

Electrical and Electronics Engineering

19UEE867-ENERGY STORAGE SYSTEMS

(Regulations 2019)

Duration: 1.30 Hours Maximum: 50Marks

Answer All Questions

PART A - (5 x 2 = 10 Marks)

1.	Outline the significance of energy storage systems.		CO1-U
2.	Define cycle life of battery.		CO1-U
3.	List the key measures of merit for batteries.		CO2-U
4.	Define energy density and power density.		CO2-U
5.	Define discharge rate.		CO2-U

PART – B (2 x 20= 40 Marks)

6.	(a)	Explain in detail about the magnetic energy storage system	CO1-U	(20)
		OR		
	(b)	Analyze the operation of pumped storage plant for supplying the peak load.	CO1-U	(20)
7.	(a)	Explain in detail about the thermal energy storage system	CO2-U	(20)
		Or		
	(b)	Explain in detail about the magnetic energy storage system	CO2-U	(20)

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