Name: Enrolment No:		<mark>0))</mark>	ΡE	S
			RSITY OF TOM	IORROW
	UPE Fnd Semester Fyami			
End Semester Examination, May 2024Course: Energy Storage SystemSemester: IProgram: M.Tech. – Renewable EnergyTime: 03 hrCourse Code: EPEC7079Max. MarkInstructions: Attempt all the questions.Max. Mark			S.	
	SECTIO			
S. No.	(5Q x 4M=2	UMarks)	Marks	СО
	Illustrate the convises provided by on ESS in a r	owner distribution anotam		
Q1	Illustrate the services provided by an ESS in a power distribution system.		4	CO
Q 2	Classify the various energy storage technologies.		4	CO
Q 3	Describe the key characteristics of a good energy storage		4	CO
Q 4	Appraise India's stand on various Hydrogen energy technologies		4	CO
Q 5	Justify the statement "Iron flow batteries have an advantage over utility-scale Li-ion storage systems".		4	CO
	SECTIO (4Q x 10M= 4			
Q 6	Appraise the various Mechanical Energy Storage devices like PHS, CAES, FESS, LAES		10	CO
Q 7	Evaluate various Energy storage options concerning cost.		10	CO
Q 8	Compare the power output and energy consumption for various electrical energy storage technologies & batteries.		10	CO
	Elucidate the overview of Sensible heat energy storage systems.			
Q 9	OR		10	CO
	Appraise the characteristics of the Thermo-Cher illustrates advantages and disadvantages.			
	SECTIO (2Q x 20M=4			
Q 10	Compare the various phase change materials for	r use as thermal energy storage.	20	CO
0.11	Evaluate the use of thermal storage for HVAC a warehouse.	application in a cold storage		
Q 11	Draw a schematic for a cold thermal storage system in advantages and Disadvantages.	a commercial building and evaluate the	e 20 0	