Total	l No	o. of Questions : 4] SEAT No. :
PB	119	9 [Total No. of Pages : 1
		[6269]-333
		T.E. (Electrical) (Insem)
		ELECTRICAL MOBILITY
		(2019 Pattern) (Semester - II) (Elective - II) (303151B)
		Hour] [Max. Marks : 30
	исп 1)	ions to the candidates: Solve questions Q1 or Q2 and Q3 or Q4.
	<i>2)</i>	Each question carry 15 marks.
	<i>3)</i>	Figures to the right indicate full marks.
	<i>4</i>)	Assume suitable data, if necessary.
Q1)	a)	Need and importance of Hybrid Electric and Electric vehicle. [7]
	b)	Draw and explain Architecture of Series Hybrid Electric Drive with
		advantages and applications. [8]
02)	\	OR OR
Q2)	a)	State and explain the challenges in Electric and Hybrid Electric Vehicle. [7]
	b)	Draw and explain Architecture of Parallel Hybrid Electric Drive with
		advantages and applications. [8]
		La Contraction de la Contracti
Q3)	a)	Compare lead acid battery and Lithium Ion Battery. [7]
	b)	Explain Hybridization of various energy storage device and its advantages
		OR OR
Q4)	a)	Which are the factors to be considered while selecting energy storage
		device. [7]
	b)	Explain with neat diagram the Fuel cell Based Energy storage system
	5)	with its advantages and applications. [8]

