Total N	No. of Questions : 4]	SEAT No. :
P514	48 [6187]÷\$58	[Total No. of Pages : 1
T.E. (Mechanical) (Honors) (Insem)		
ELECTRIC VEHICLES		
E-vehicle Technology		
(2019 Pattern) (Semester - I) (302031MJ)		
		(6020011/10)
Time:	1 Hour]	[Max. Marks: 30
Instruc	ctions to the candidates:	
1)		95
2)		ry.
3)	, ,	
4)	Figures to the right indicate full marks.	
0.11		
Q1) a		
	combination of both with suitable examp	le? [8]
b	b) Explain Suspension system in Electric Vel	ncle with any one type in detail?
		[6]
	OR	
Q2) a	a) Differentiate between conventional vehicle	vs electric vehicles with suitable
	sketch?	[6]
b	b) Explain Transmission System in Electric V	ehicle with working, advantages
	and disadvantages?	[8]
	A CAN	
Q3) a	n) Explain current scenarios and its availability	ty in India for different batteries
	used in e-vehicles taking suitable example	le of any four types? [8]
b	e) Explain the features of Hybridization of I	Battery with IC Engine? [8]
	OR	20,000

Explain the features of Hybridization of Solar and Battery with advantages **Q4)** a) and disadvantages?

Explain the significance of Ragone plot, with neat graph for electric vehicle b) and its hybridization? [8]

