Total	l No	. of Qu	estions: 4]	SEAT No. :	
P89	95			[Total No. of Pages : 1	
10)			Oct-22/BE/Insem-15		
B.E. (Mechanical /Automobile Engineering)					
HONORS: MODELLING AND SIMULATION OF EHV					
(2019 Pattern) (402034 MJ) (Semester - VII)					
Time: 1 Hour]				[Max. Marks: 30	
Instructions to the condidates: 1) Solve Q.1 or Q.2, Q.3 or Q.4.					
	2)		ures to the right indicate full marks.		
	3)	_	w the neat sketch wherever necessary.	290	
0.71					
<i>Q1</i>)	a)	-	plain Switched Reluctance motor drive		
			antages, disadvantages and applications		
	b)	Exp	Main any two EV configurations due to va		
		8.		[6]	
		V*	OR		
Q2)	a)	Exp	plain the Selection criteria of Motor Pow	ver Rating? [6]	
	b)	Exp	olain the following (any two)	[8]	
		i)	Electric Motor Safety		
		ii)	Motor Operation Safety		
		iii)	Motor Installation Safety		
		iv)	Motor Maintenance Safety		
		,			
(12)	۵)	Γ 4	Nain the agreem Highest details of lead and	id hattam with its advantages	
Q3)	a)		lain the constructional details of lead action dvantages and applications?	id battery with its advantages, [8]	
	b				
		EXP	plain briefly Cooling System and Therma	al Management? [8]	
			OR		

Explain Battery Packs design and considerations against Noise and

Explain vehicle dynamics with its elements and affecting factors?

[8]

Vibration exposure?

b)