Total No. of Questions: 8]	SEAT No. :
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## [6181]-11

## **B.E.** (Automobile Engineering)

	A		(2019 Pattern) (Semester - VII) (416481)		
Time: 2½ Hours] [Max. 1					
Inst	ructio	ons to	the candidates:		
	<i>1</i> )	Ans	wer Q1 or Q2, Q3 or Q4, Q5 or Q6, Q7 or Q8.		
	<i>2</i> )	Nea	t diagrams must be drawn wherever necessary.		
	<i>3</i> )	Figu	ures to the right side indicate full marks.		
	<i>4</i> )	Assi	ume Suitable data, if necessary.		
<b>Q</b> 1)	a)	Explain the test procedure of Pass by noise test and noise limits for various vehicle categories.		its for various [9]	
	b)	Exp	plain the following.	[9]	
		i)	Split-mu track		
		ii)	External noise track		
		iii)	Steering pad		
			OR		
Q2)	a)	Exp	plain Turning circle diameter test with figures.	[9]	
	b)	Exp	plain free acceleration test as per IS standard.	[9]	
Q3)	a)	Exp	plain Indian Driving Cycle in detail.	[8]	
	b)	_	plain procedure of two wheeler testing on chassis dynatissions.	nmometer for [9]	
			OR		
Q4)	a)		at is meant by Real Drive Emission (RDE) Testing? However work in practice? What are the different equipment's ut?		
	b)	Exp	plain Evaporative Emission Test as per IS standard.	[9]	

<b>Q</b> 5)	a)		Define and differentiate Sound Pressure, Sound Intensity & Sound Power levels and write the relationship between them. [8]			
	b)	Exp	lain Transmission noise and its measurement methods.	[9]		
			OR			
<b>Q6</b> )	What are the different sources of noise and vibration mechanism of noise generation?			Explain [8]		
	b)	Exp	[9]			
		i)	Exhaust Noise			
		ii)	Engine Noise			
		iii)	Vehicle structure noise			
<b>Q7</b> ) a)		Exp	lain the procedure for Steering Impact test.	[9]		
b) What are the difference Explain any one.			at are the different types of tests performed on rear view malain any one.	nirrors?		
			OR			
<b>Q</b> 8)	a)	Exp	lain Demist and Defrost Test.	[9]		
	h)	Exp	lain the procedure for Horn Testing.	<b>[9</b> ]		

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