	Enro	llment No:			Exam Seat No:			
					NIVERSI' ination-201			
	Subject Name: Automobile Chassis and Body Engineering							
	Subject Code: 4TE06ACB1				Branch: B.Tech (Automobile)			
	Seme	ester: 6	Date: 13/04/2	017	Time: 02:30 To 0	5:30 N	Marks: 70	
	(1 (2 (3	2) Instruction (B) Draw near		answer book a ures (if necessa	ner electronic instrur are strictly to be obe ary) at right places.		vited.	
Q-1	a) b) c) d) e) f) g) h) i) j) k) n)	Attempt the following questions:  Horizontal component of the resultant of pressure distribution is called  Write types of passenger car body.  What is Blind spot?  Why car crash test and roll over test necessary?  (Active/Passive) Safety is used to refer to technology assisting in the prevention of a crash.  Give advantages of integrated type body construction?  Write various engine locations in bus body.  Draw figure of Four-wheeled type draw-bar trailers.  Write uses of tanker body.  Channel Section has good resistance to bending. (True or False)  What is asymmetric vertical load in a car?  Write advantages of Stainless steel sheets in construction of car body.  Define Metal matrix composite (MMC) body material?  List various body trim items.						
Attem Q-2	pt any a) b)	Attempt a Discuss va		s faced by the	vehicle while movin erodynamics aids fo	_	(07) n of drag. (07)	
Q-3	a) b)	What is vi	all questions isibility? Discuss me erash test is perform	-	ving visibility and s nicles?	pace in car.	(07) (07)	

## Q-4 Attempt all questions



	a)	What is dash board? Explain different instruments included in dash board.		
	<b>b</b> )	Classify different types of bus body and explain bus body layout.	(07)	
Q-5		Attempt all questions		
	a)	Explain double skin frame construction of a bus body.	(07)	
	<b>b</b> )	Explain driver seat in commercial vehicles.	(07)	
Q-6		Attempt all questions		
	a)	Discuss classification of tanker body.	(07)	
	<b>b</b> )	Explain idealized structure and structural surface.	(07)	
Q-7		Attempt all questions		
	a)	Discuss car door construction with neat sketch in detail.	(07)	
	<b>b</b> )	Write various Source of body noise and Explain method of elimination body noise.	(07)	
Q-8		Attempt all questions		
-	a)	Explain painting process of car body in detail.	(07)	
	b)	Write a short note on corrosion protection of vehicle body.	(07)	

