Enrolment No.

Subject Code:160205

GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER - VI EXAMINATION - WINTER 2015

Date:10/12/2015

Subject Name: Automobile Chassis and Body Engineering				
Tir	Time:2:30pm to 5:00pm Instructions: Total Marks: 70			
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Q.1	(a) (b)	Explain aerodynamics forces and moments. Explain wind tunnel testing of scale model.	0° 0°	
Q.2	(a) (b)	Explain driver's visibility and methods for improving visibility. Explain driver seat design & dimensions parameters. OR	0,	
	(b)	Explain unibody structure design for vehicle.	07	
Q.3	(a) (b)	Explain different types of bus body. Explain floor height and engine location for bus. OR	07 07	
Q.3	(a) (b)	Explain different types of commercial vehicle body. Explain shear panel method.	0′ 0′	
Q.4	(a) (b)	Explain water leakage test. Explain symmetric vertical loads in a car. OR	07 07	
Q.4	(a) (b)	Explain Back light & window Glasses and regulations for glasses Explain anti-corrosion methods.	0′ 0′	
Q.5	(a) (b)	Explain plastics and timber material for body construction. Explain painting process for vehicle.	07 07	
Q.5	(a) (b)	OR Explain Crash Test and Roll over test regulations. Explain Pneumatic equipment for passenger door opening & closing.	07	
