Subject Code: 2160205

Enrolment No.	Enro	lment No.	
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Date: 26/10/2016

GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER - VI (NEW).EXAMINATION - WINTER 2016

Γime	: 10:3	ame: Automobile Chassis and Body Engineering 80 AM to 01:00 PM Total Marks: 70	
nstruo	2. N	ttempt all questions. Iake suitable assumptions wherever necessary. igures to the right indicate full marks.	
Q.1	(a) (b)	Write and explain the different between chassis, frame and body. Explain different types of vehicle body with neat sketch.	07 07
Q.2	(a) (b)	Explain different material use for vehicle body. Explain symmetric and asymmetric load on the vehicle. OR	07 07
	(b)	Explain different types of the force and moments of acting on vehicle along with their effect on vehicle.	07
Q.3	(a) (b)	Describe with the neat sketch light commercial vehicle body. Drew various layouts of bus bodies and explain each. OR	07 07
Q.3	(a) (b)	Explain tanker body and tipper body. Explain the construction of convection and integral type buses.	07 07
Q.4	(a) (b)	Explain the types of safety and requirement. Explain function and classification of automobile seat showing different seat parameter.	07 07
		OR	
Q.4	(a) (b)	Explain important of Ergonomics in vehicle. Discus the crash test and roll over test regulation.	07 07
Q.5	(a) (b)	Explain vehicle structure analysis by simple structure surface method. Write short note on driver cabin design for bus and commercial vehicle. OR	07 07
Q.5	(a) (b)	Explain driver's visibility and method for improving visibility. Explain types of car bodies.	07 07