Seat No.: Enro	lment No
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	•	BE - SEMESTER-VI (OLD) - EXAMINATION – SUMMER 2017 ct Code: 160205 Date: 01/05/2 ct Name: Automobile Chassis and Body Engineering	017
Ti	ime: struct 1. 2.	10:30 AM to 01:00 PM Total Marks	: 70
Q.1	(a) (b)	Explain different types of commercial vehicle body. Write the difference between frame, chassis and body of a vehicle.	07 07
Q.2	(a) (b)	Explain Body noise test and water leakage test.  Explain different materials used for commercial vehical.  OR	07 07
	<b>(b)</b>	Explain SLED test or AIS 016 for seats.	07
Q.3	(a)	List out car body construction and explain typical car body construction with neat sketch.	07
	<b>(b)</b>	Explain different types of forces and moments acting on vehicle along with there effects on vehicle.	07
Q.3	(a) (b)	OR  Explain different symmetric and asymmetric vertical loads on frame.  Explain various body optimization techniques used for drag reduction for vehicle body.	
Q.4	(a)	What is surface protection for vehicle body? Explain different methods of painting process.	07
	<b>(b)</b>	Explain driver's visibility and methods for improving visibility. <b>OR</b>	07
Q.4	(a) (b)	What is vehicle safety? Explain requirements and provisions for vehicle safety. Explain selection of air conditioning equipment and its mounting in vehicle.	07 07
Q.5	(a) (b)	Explain unibody structure design for vehicle Explain floor height and engine location for bus.	07 07
Q.5	(a) (b)		07 07