GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER-IV EXAMINATION - SUMMER 2016

	•	ect Code:140202 Date:10/06/2016 ect Name:Fundamentals Of Automobile Systems	
	•	:10:30 AM to 01:00 PM Total Marks: 70)
Q.1	(a) (b)	Short note on Air suspensions Distingue between Tubeless and Tube Tyres	07 07
Q.2	(a) (b)	Explain good steering requirements Short note on Independent suspension system OR	07 07
	(b)	Short note on McPherson strut suspension system	07
Q.3	(a) (b)	Short note on Steering gear box Explain specifications of tyres	07 07
Q.3	(a) (b)	OR Explain function of differential with sketch Explain process of Bleeding of brakes	07 07
Q.4	(a) (b)	Explain centrifugal clutch Short note:- 1) Tractive force 2) Gradeabilty	07 07
0.4	(a)	OR Explain types of chassis	07
Q.4	(a) (b)	Explain Types of Chassis Explain Front engine front and wheel drive vehicle layout with sketch	07
Q.5	(a) (b)	Explain sliding mesh gear box with sketch Short note on Torque converter OR	07 07
Q.5	(a) (b)	Write advantages and disadvantages of Engine based on LPG and CNG as fuel Explain constant mesh gear box with sketch	07 07
