Seat No.:	Enrolment No.

GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER-VII • EXAMINATION – WINTER 2013

Subject Code: 171902 Subject Name: Automobile Engineering Time: 10:30 TO 01:00 Instructions:		Date: 05-12-2013 Total Marks: 70	
Q.1	(a) (b)		07 07
Q.2	(a)	What is chassis? What are the components of a chassis? Indicate t functions.	heir 07
	(b)	What are the requirements of suspension system? OR	07
	(b)	Describe the MACPHERSON Independent suspension system.	07
Q.3	(a)	Explain briefly following types of tyres a) Conventional tube tyre b) Tubeless tyre	07
	(b)		. 07
Q.3	(a)	Explain briefly the principle of operation of a clutch.	07
	(b)		07
Q.4	(a)	Name the types of the gearboxes used in automobiles. Explain in lone type of coar box.	brief any 07
	(b)		sketch. 07
Q.4	(a)	Exprain with neat sketches battery ignition system.	07
	(b)	Explain automobile lighting system. Give the various types of light system.	nting 07
Q.5	(a)	Explain with neat sketches of hydraulic brake system.	07
C	(b)		07
Q.5	(a)		07
Q.	(b)		07
