Seat No.:	Enrolment No.

GUJARAT TECHNOLOGICAL UNIVERSITY

B. E. - SEMESTER – VI • EXAMINATION – WINTER 2012

Date: 05/01/2013

Subject code: 160204

Subject Name: Vehicle Maintenance and Garage Practice				
Time: 02	Time: 02.30 pm - 05.00 pm Total Marks: 70			
Instruct	tions	:		
2.	Attempt any five questions.Make suitable assumptions wherever necessary.Figures to the right indicate full marks.			
Q.1	(a) (b)	Explain different basic steps of servicing. Make a list of different measuring & gauging instruments used in garage. Explain any two in detail.	07 07	
Q.2	(a)	Which are the checkings to be done during daily, weekly & monthly maintenance of a vehicle? Discuss in brief.	07	
	(b)	What is maintenance? Explain different types of maintenance. OR	07	
	(b)	Write a short note on carburetor. Explain tuning process of carburetor.	07	
Q.3	(a) (b)	Prepare a periodic maintenance schedule of the brake. Explain wheel alignment and wheel balancing with necessary sketches. OR	07 07	
Q.3	(a)	Discuss the reasons and possible solutions of engine overheating problem.	07	
	(b)	If there is excessive fuel consumption in the vehicle, then what may be the reasons associated with it and how it can be solved?	07	
Q.4	(a) (b)	Explain overhauling process of piston. Explain backlash in gears. Also explain the measurement and	07 07	
	(0)	adjustment process of it. OR	U/	
Q.4	(a) (b)	Explain overhauling process of cylinder head. Write a short note propeller shaft. Explain maintenance process of	07 07	
	(b)	propeller shaft.	07	
Q.5	(a)	Prepare a sample job card used in automobile workshop and explain its importance.	07	
	(b)	Draw the schematic layout of a modern automobile workshop and explain it in brief. OR	07	
Q.5	(a)	Explain (i) boring (ii) honing (iii) cylinder de-glazing hones.	07	
V	(b)	Explain air brake system with neat schematic diagram.	07	
