Seat No.:	Enrolment No.

Subject Code: 150204

## **GUJARAT TECHNOLOGICAL UNIVERSITY**

## **BE - SEMESTER-V EXAMINATION - WINTER 2015**

Date: 14/12/2015

Subject Name: Automobile Maintenance and Repair Practice			
Ti	me: 1	10:30am to 1:00pm Total Marks: 70	
	tructio	•	
		. Attempt all questions.	
	2.		
	3.	. Figures to the right indicate full marks.	
Q.1	(a)	What is job card? Prepare job card for two wheeler. Explain merits of job card.	<b>07</b>
	<b>(b)</b>	Define maintenance. Explain types of vehicle maintenance with suitable examples.	07
Q.2	(a)	Enlist various Wear measuring Instrument and Speed measuring Instrument. Explain	07
<b>~</b> ·-	(33)	Wear measuring Instrument in brief.	0.
	<b>(b)</b>	Write a short note on speed and acceleration measuring instruments.	07
	` ′	OR	
	<b>(b)</b>	Explain measurement of automotive vibration.	07
Q.3	(a)	Explain water pump and radiator maintenance.	07
<b>V.</b>	(b)	What are functions of suspension system in automobile? Explain the lubrication and	07
	(2)	maintenance procedure for suspension system.	0.
		OR	
Q.3	(a)	Which instruments are used for measuring fuel consumptions? Explain any one in	07
	` ′	brief.	
	<b>(b)</b>	Explain maintenance and repair of electrical and ignition system.	07
Q.4	(a)	Explain inspection, service and repair of engine piston and connecting rod.	07
<b>V.</b> -1	(b)	What is hydraulic bleeding? When bleeding of brake is required? Explain the	07
	(6)	procedure for bleeding of brakes.	07
		OR	
Q.4	(a)	Why balancing of wheel is required? Explain the procedure for wheel balancing.	07
	<b>(b)</b>	Explain wheel alignment processes along with adjustment of toe in, toe out and	07
	` ′	caster.	
Q.5	(a)	Explain the use of warranty policy, workshop manual, and parts catalogue and	07
Q.S	(a)	history sheet at service station.	U/
	<b>(b)</b>	Explain classification of tools and equipments for workshop.	07
	(10)	OR	07
Q.5	(a)	Draw workshop layout and discuss the functions and operation of service station.	07
~··	(b)	You are appointed as a service station supervisor. Explain how you are handling	07
	(~)	consumer cases in case of any dispute.	57
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