Seat No.:	Enrolment No.
Deat 110	Emoment 10

GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER-V • EXAMINATION - SUMMER 2013

Su	bject	Code: 150204 Date: 23-05-2013	
Su	biect	Name: Automobile Maintenance and Repair Practice	
	•	10:30 pm to 01:00 pm Total Marks: 70	
	tructio	<u>-</u>	
	1.	Attempt all questions.	
		Make suitable assumptions wherever necessary.	
	3.	Figures to the right indicate full marks.	
0.1	(-)	English day accepted of acception and attached to the English day	07
Q.1	(a)	Explain the necessity of preventive maintenance schedule chart. Enlist the service requirement for transmission system of a passenger car as per schedule chart.	
	(b)		07
	(2)		
Q.2	(a)		07
		1.Dial indicator	
		2. Thickness gauge	
		3.Stroboscope	
		4.Micrometer	
		5.Small hall gauge	
		6.Exhaust gas analyzer	
	(1.)	7.Dynamometer	05
	(b)		07
	(L)	OR	07
	(D)	Differentiate the testing and service procedure for diesel fuel injector and	07
0.2	(a)	petrol fuel injector. What is chaosis lybrication shout? Explain the details mentioned in the short	07
Q.3	(a)	<u> </u>	07
	(D)	Explain service procedure for wheel and tyre of auto vehicle. OR	07
0.3	(a)	Enlist the possible causes and remedies for the following:	07
Q.3	(a)	i) High engine fuel consumption.	U/
		ii) Hard shifting of gears.	
		iii) Engine overheating.	
	(b)	Explain the inspection, service and repair of drum and disk brake.	07
Q.4		Explain the inspection, service and repair of drum and disk brake. Explain the service procedure for a manual transmission.	07
Ų.Ŧ	(a) (b)	Explain 4-wheel alignment procedure.	07
	(D)	OR	07
Q.4	(a)		07
~··	(b)		07
	(2)	equipments.	0.
		1. Wheel balancer	
		2. Tyre changer.	
		3. Four post hoist.	
		4. AC recovery unit.	
		5. Hydraulic lift	
		6. Engine analyzer.	
		7. Diesel fuel pump test bench.	
Q.5	(a)	Explain point which can be taken into consideration for layout of service station	07
•	. /	with neat sketch.	
	(b)	Draw organization chart adopted in service station. Explain their duties in	07
	•	service station.	

- Q.5 (a) Prepare a job card and inspection card for two wheeler.
 - (b) Explain the use of warranty policy, workshop manual, and parts catalogue and history sheet at service station.

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