Seat No.:	Enrolment No.
Seat 11011	Bin office 1 to:

GUJARAT TECHNOLOGICAL UNIVERSITY

		BE- V ^{III} SEMESTER-EXAMINATION – MAY/JUNE - 2012	
Subi	ect c	ode: 150204 Date: 07/06/2012	
•		Jame: Automobile Maintenance and Repair Practice	
Гime	: 02:	30 pm – 05:00 pm Total Marks: 70	
Instr	ucti	ons:	
1.		empt all questions.	
2.		ke suitable assumptions wherever necessary.	
3.	Figu	res to the right indicate full marks.	
Q.1	(a)	Explain types of vehicle maintenance with suitable examples.	07
	(b)	What is maintenance schedule chart? Prepare schedule chart for ignition and	07
		engine cooling system of a petrol car.	
Q.2	(a)	Enlist the tools required to measure cylinder wall wear and explain the procedure	07
Q.2	(a)	for measurement of cylinder wall wear.	07
	(b)	List the instrument used for measurement of engine noise. Explain various tests	07
		performed for diagnose the sources of engine noise.	
		OR	
	(b)	Explain the methods for measurement of fuel consumption. Enlist the possible	07
		causes for excessive fuel consumption.	
Q.3	(a)	Explain the following methods for cylinder reconditioning.	07
		(i) Cylinder boring	
		(ii) Cylinder honing	
	(b)	Explain the inspection and service procedure for (i) Engine valves (ii) Engine	07
		piston	
		OR	
Q.3	(a)	Explain the testing & servicing of diesel fuel injector and multipoint gasoline fuel	07
	(L.)	injector.	07
	(b)		07
		i) Hard shifting into gear	
		ii) Gear slips during shifting	
Q.4	(a)	Why balancing of wheel is required? Explain the procedure for wheel balancing.	07
V. -1	(b)	What is hydraulic bleeding? When bleeding of brake is required? Explain the	07
	(~)	procedure for bleeding of brakes.	٠.
		OR	
Q.4	(a)	(i) What are the possible causes when car pulls to one side during normal	03
	` ,	driving?	
		(ii) Explain the procedure for adjustment of wheel alignment angles.	04
	(b)	Discuss types of automotive lubricants used in servicing of automotive vehicle.	07
Q.5	(a)	Draw workshop layout and discuss the functions and operation of service station.	07
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	(b)	Enlist the automotive service and diagnosis equipment used in garage and	07
		describe the function of each equipment. OR	
Q.5	(a)	What is the necessity of job cards? Prepare job card for passenger car.	07
V.	(a) (b)	Discuss the activities of workshop management.	07
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