GUJARAT TECHNOLOGICAL UNIVERSITY

		BE - SEMESTER-VI- EXAMINATION – SUMMER 2016	
Subject Code:160204 Date:17/05/2			6
	-	t Name:Vehicle Maintenance and Garage Practice	
	Time: 10:30 AM to 01:00 PM Total Marks:		
Instructions:			
1113		. Attempt all questions.	
		. Make suitable assumptions wherever necessary.	
	3	. Figures to the right indicate full marks.	
Λ 1	(.)	Frankin adiadaa kasina ad Wales tamina masaa	07
Q.1	(a)	Explain cylinder boring and Valve tapping process. Which are the checking to be done during daily, weekly & monthly maintenance	07 07
	(b)	of a vehicle? Discuss in brief.	U/
Q.2	(a)	Differentiate between preventive and predictive maintenance.	07
	(b)	Explain Cleaning of water cooling system and maintenance of ignition system.	07
	(b)	OR Write Problems, causes and remedies for Air brakes and tyre.	07
	(0)		
Q.3	(a)	Explain different methods for measurement of fuel consumption by an	07
	(L.)	automobile engine.	07
	(b)	Discuss probable causes and remedies of low oil pressure and clutch slipping. OR	07
Q.3	(a)	Explain function, working and construction of Simple vernier caliper, Feeler gauge	07
V.	(u)	and dial bore gauge with suitable diagrams.	07
	(b)	Explain wheel alignment and wheel balancing with necessary sketches.	07
Q.4	(a)	Explain chassis lubrication. Explain Diagnosis for poor pick up of vehicle.	07
Ų. 4	(a) (b)	Write a short note on four post hoist, Ignition timing light & Exhaust gas analyzer.	07
	(b)	OR	U1
Q.4	(a)	What is job card? Prepare sample job card for Car having regular service,	07
		problem of low average and vibration on steering wheel.	
	(b)	Explain maintenance process of propeller shaft & gear shifting mechanism.	07
0.5	(a)	Explain the procedure for testing and calibration of diesel fuel injector and	07
•	()	diesel fuel pump.	
	(b)	Give causes and remedies for Engine Overheat, Clutch plate run out and excessive	07
		vibration in gearbox.	
a -		OR	. –
Q.5	(a)	Draw a layout of standard service station and explain point which can be taken	07
	(b)	into consideration for layout of service station. Explain warranty policy in the different cases and billing procedure of a	07
	(b)	vehicle in detail.	U/
		, cincle in details	
