GUJARAT TECHNOLOGICAL UNIVERSITY M. E. - SEMESTER – II • EXAMINATION – SUMMER • 2013

Subject code: 1721106Date: 10-06-2013Subject Name: Automobile Maintenance and Pollution ControlTime: 10.30 am – 01.00 pmTotal Marks: 70Instructions:1. Attempt all questions.2. Make suitable assumptions wherever necessary.3. Figures to the right indicate full marks.			
Q.1	(a)	Give causes and remedies for following troubles of automobile.(i) Engine runs but misses in one cylinder (ii) Engine cranks slowly but will not start	07
	(b)	Discuss Engine maintenance in detail?	07
Q.2	(a)	Give good suspension system requirement and discuss maintenance of air suspension in detail?	07
	(b)	Explain service and maintenance of anti-roll bar and wheel rim in detail?	07
	(b)	OR Explain service and maintenance of torque tube and propeller shaft in detail?	07
Q.3	(a) (b)	Explain brake bleeding and brake adjustments in detail? Explain frame defect and chassis alignment? OR	07 07
Q.3	(a) (b)	Explain maintenance of automobile steering system? Discuss in detail Maintenance of automobile cooling system?	07 07
Q.4	(a) (b)	What is lubrication chart? Explain maintenance and care for automobile battery? Explain step for MPFI maintenance in detail? OR	07 07
Q.4	(a) (b)	What do you mean by tyre services and reconditioning of tyre, discuss in detail? Discuss sources of automobile pollution and its effect on human being in detail?	07 07
Q.5	(a) (b)	Write notes on catalytic convertor? Discuss BHARAT norms for pollution? OR	07 07
Q.5	(a) (b)	Explain EGR(exhaust gas recirculation)? Discuss Energy recovery from solid waste?	07 07
