

GUJARAT TECHNOLOGICAL UNIVERSITY**BE – SEMESTER V • EXAMINATION – WINTER - 2012****Subject code: 150204****Date: 23-01-2013****Subject Name: Automobile Maintenance and Repair Practice****Time: 02:30 pm to 05:00 pm****Total Marks: 70****Instructions:**

1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

- Q.1** (a) Discuss the reasons for Low fuel average and poor pick up of vehicle. **07**
(b) Define maintenance. Explain Break down, Preventive and Predictive maintenance practices. **07**
- Q.2** (a) Explain the instruments used for measuring fuel consumption and speed. **07**
(b) Write down short note on radiator and water pump maintenance. **07**
- OR**
- (b) Explain the need and methods of chassis greasing. **07**
- Q.3** (a) Explain maintenance and repairs practices for Coolant leakage and overheating. **07**
(b) Repair and maintenance of Propeller shaft “U” joints. **07**
- OR**
- Q.3** (a) Short note **07**
i) Wheel alignment
ii) Wheel balancing
(b) Explain Cylinder honing and Cylinder boring process/ **07**
- Q.4** (a) Discuss about machines used for servicing and lubrication in service station. **07**
(b) Draw and Explain Service Station layout. **07**
- OR**
- Q.4** (a) Classify and explain tools and equipments used in workshop. **07**
(b) Enlist the job position in a service station? Explain their duties. **07**
- Q.5** (a) What is job card? Prepare a job card for two wheeler motor cycle. **07**
(b) Write a short note on manufacturer’s service coupon book. **07**
- OR**
- Q.5** (a) What is the necessity of history sheet? Prepare history sheet for passenger car. **07**
(b) Discuss in brief about vehicle warranty policy. **07**
