

GUJARAT TECHNOLOGICAL UNIVERSITY**BE - SEMESTER-V • EXAMINATION – SUMMER • 2014****Subject Code: 150204****Date: 24-06-2014****Subject Name: Automobile Maintenance and Repair Practice****Time: 10.30 am - 01.00 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) Define maintenance. Differentiate between Preventive and Predictive maintenance practices. **07**
- (b) What is job card? Prepare job card for two wheeler and explain merits of job card. **07**
- Q.2** (a) State various the methods for measurement of fuel consumption. Explain any one of them. **07**
- (b) List the instrument used for measurement of engine noise. Explain various tests performed for diagnose the sources of engine noise. **07**
- OR**
- (b) Explain measurement of automotive vibration. Also explain effect of vibration on engine performance. **07**
- Q.3** (a) Explain in details of cylinder bore finishing methods. **07**
- (b) Explain the need and methods of chassis greasing. **07**
- OR**
- Q.3** (a) Explain maintenance and repair of electrical and ignition system. **07**
- (b) Explain maintenance and repairs practices for Coolant leakage and overheating. **07**
- Q.4** (a) Explain the procedure for the adjustment of following; **07**
- i) Toe in and toe out,
- ii) Caster and camber.
- (b) Which tool is used to repair the valve? Explain in detail valve lapping method. **07**
- OR**
- Q.4** (a) What is hydraulic bleeding? When bleeding of brake is required? Explain the procedure for bleeding of brakes. **07**
- (b) Explain the testing & servicing of diesel fuel injector. **07**
- Q.5** (a) Explain workshop layout. **07**
- (b) Explain repair of clutch parts. **07**
- OR**
- Q.5** (a) Draw workshop layout and discuss the functions and operation of service station. **07**
- (b) Explain classification of tools and equipments for workshop. **07**
