

GUJARAT TECHNOLOGICAL UNIVERSITY**BE - SEMESTER-V • EXAMINATION – WINTER 2013****Subject Code: 150204****Date: 09-12-2013****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) Explain main function and major operations done in Service station. **07**
(b) Justify the need of Job Cards. Prepare job card for any automotive vehicle. **07**
- Q.2** (a) Explain daily, weekly and monthly maintenance schedules in brief. **07**
(b) You are appointed as a service station supervisor. Explain how you are handling consumer cases in case of any dispute. **07**
- OR**
- (b) Short note **07**
i) Predictive maintenance
ii) Preventive maintenance
- Q.3** (a) Write down a short note on speed and acceleration measuring instruments. **07**
(b) List out commonly used garage equipments and explain functioning of any three equipments. **07**
- OR**
- Q.3** (a) List out and explain any one instrument used for measuring wear. **07**
(b) Which instruments are used for measuring fuel consumptions? Explain any one in brief. **07**
- Q.4** (a) Explain the method for maintenance of final drive. **07**
(b) What do you mean by clutch pedal free play? Explain the method for adjustment of clutch pedal free play. **07**
- OR**
- Q.4** (a) Explain cylinder honing and boring processes. **07**
(b) Explain the method of carburetor tuning. **07**
- Q.5** (a) Explain wheel alignment processes along with adjustment of toe in, toe out and caster. **07**
(b) Explain method for fuel injector's calibration. **07**
- OR**
- Q.5** (a) Explain wheel balancing method for wheel maintenance. What are the possible problems due to which we have to go for wheel balancing? **07**
(b) Write short note on brake adjustment techniques. **07**
