

GUJARAT TECHNOLOGICAL UNIVERSITY
BE - SEMESTER-VI • EXAMINATION – WINTER • 2014

Subject Code: 160204**Date: 05-12-2014****Subject Name: Vehicle Maintenance and Garage Practice****Time: 02:30 pm - 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) What is meant by maintenance? Explain different types of maintenance in detail. **07**
(b) Differentiate between garage and service station with suitable examples. **07**
- Q.2** (a) List down different servicing tools and equipments used in automobile garage. **07**
Explain any two in detail with suitable sketches.
(b) Explain cylinder boring and honing process. **07**
- OR**
- (b) Explain basic steps of servicing. **07**
- Q.3** (a) Explain bleeding of hydraulic brakes in detail. **07**
(b) Explain overhauling process of cylinder head. **07**
- OR**
- Q.3** (a) Explain wheel alignment and wheel balancing with necessary sketches. **07**
(b) Explain overhauling process of wheel cylinder. **07**
- Q.4** (a) Describe diagnosis process for starting trouble in petrol engine. **07**
(b) Explain maintenance process of propeller shaft. **07**
- OR**
- Q.4** (a) Describe diagnosis process for starting trouble in diesel engine. **07**
(b) Discuss probable causes and remedies of engine misfiring, and clutch slipping. **07**
- Q.5** (a) Discuss workshop documentations and its records in detail. **07**
(b) Prepare a sample job card used in automobile workshop. **07**
- OR**
- Q.5** (a) Explain overhauling process of gear box. **07**
(b) Explain wear measuring and speed measuring instruments with suitable diagrams. **07**
