

GUJARAT TECHNOLOGICAL UNIVERSITY**B. E. - SEMESTER – VI • EXAMINATION – WINTER 2012****Subject code: 160204****Date: 05/01/2013****Subject Name: Vehicle Maintenance and Garage Practice****Time: 02.30 pm - 05.00 pm****Total Marks: 70****Instructions:**

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

- Q.1** (a) Explain different basic steps of servicing. **07**
(b) Make a list of different measuring & gauging instruments used in garage. Explain any two in detail. **07**

- Q.2** (a) Which are the checkings to be done during daily, weekly & monthly maintenance of a vehicle? Discuss in brief. **07**
(b) What is maintenance? Explain different types of maintenance. **07**

OR

- (b) Write a short note on carburetor. Explain tuning process of carburetor. **07**

- Q.3** (a) Prepare a periodic maintenance schedule of the brake. **07**
(b) Explain wheel alignment and wheel balancing with necessary sketches. **07**

OR

- Q.3** (a) Discuss the reasons and possible solutions of engine overheating problem. **07**
(b) If there is excessive fuel consumption in the vehicle, then what may be the reasons associated with it and how it can be solved? **07**

- Q.4** (a) Explain overhauling process of piston. **07**
(b) Explain backlash in gears. Also explain the measurement and adjustment process of it. **07**

OR

- Q.4** (a) Explain overhauling process of cylinder head. **07**
(b) Write a short note propeller shaft. Explain maintenance process of propeller shaft. **07**

- Q.5** (a) Prepare a sample job card used in automobile workshop and explain its importance. **07**
(b) Draw the schematic layout of a modern automobile workshop and explain it in brief. **07**

OR

- Q.5** (a) Explain (i) boring (ii) honing (iii) cylinder de-glazing hones. **07**
(b) Explain air brake system with neat schematic diagram. **07**
