

GUJARAT TECHNOLOGICAL UNIVERSITY**BE- VIth SEMESTER-EXAMINATION – MAY- 2012****Subject code: 160204****Date: 17/05/2012****Subject Name: Vehicle Maintenance and Garage 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 difference between Preventive Maintenance & Breakdown Maintenance **07**
 (b) Differentiate – Garage & Service Station **07**
- Q.2** (a) Name the two records required to be maintained by motor vehicle garage with their utility and give the format **07**
 (b) Explain Wear measuring Instrument and Speed measuring Instrument **07**
- OR**
- (b) State the function of engine analyzer, car washer, battery charger, lift **07**
- Q.3** (a) Explain the procedure of adjustment of door **07**
 (b) Explain Cylinder boring and Cylinder honing process **07**
- OR**
- Q.3** (a) Enlist the name of instruments used for measurement of :- **07**
 (a) Piston Wear (b) Cylinder wear (c) crankshaft (d) Speed of engine (9) Vibration of vehicle
- (b) A technician has found noise in gear box, suggest possible remedies **07**
- Q.4** (a) Explain causes for Engine overheating **07**
 (b) Explain cleaning of cooling system **07**
- OR**
- Q.4** (a) Write the procedure of tuning the carburettor **07**
 (b) Give meaning of the following terms. **07**
 i) Wheel balancing ii) Wheel alignment iii) Vulcanizing of tyres
- Q.5** (a) Explain Chassis greasing and Bleeding of brake **07**
 (b) Write the functions of i) FIP Calibration m/c ii) Head Light aligner iii) Honing m/c iv) Cylinder Boring m/c. **07**
- OR**
- Q.5** (a) Explain clutch troubles and their cause **07**
 (b) Explain different troubles occurred in differential **07**
