

**Automobile Maintenance and Emission Control  
Important 10 Mark questions**

**Unit I**

1. Explain briefly about the maintenance of records, log sheets and other documents used in automobile workshops.
2. Explain the procedure for preventive maintenance and discuss its importance.

**Unit II**

1. Explain the visual inspection and dimensional inspection of heavy vehicle engine components.
2. Write down the complete engine tuneup procedure for an automobile engine, indicating the corrections to be made for the defects.

**Unit III**

1. Explain in detail, the step by step procedure of servicing the hydraulic brake system.
2. Explain in detail, the procedure of computerized wheel alignment and wheel balancing.

**Unit IV**

1. Explain various tests for checking the performance of a fuel pump.
2. Explain how to perform a drain, flush and refill procedure on a cooling system.

**Unit V**

1. Explain the construction and working principle of catalytic converter with a neat sketch.
2. Explain the positive crank case ventilation system (PVC) with a neat sketch.