

ASSESSMENT OF UNIT 4

ENGINE EMISSIONS IN PETROL AND DIESEL ENGINES

<u>Moment of assessment :</u>	At the end of the training period corresponding to Unit 4
<u>Time limit :</u>	2 hours 30
<u>Nature of assessment :</u>	Practical assessment in a real situation

Objective :

- Prepare an exhaust-gas measuring device or smoke meter.
- Inspect and prepare vehicle for test and obtain exhaust readings.
- Interpret readings and determine needed repairs if necessary.

(Test can be done with petrol engine or diesel engine.)

Context :

- During the diagnostic, the OBD-diagnostic tool may be used to take parameter readings or actuator test readings or fault readings.
- The documents provided must be exhaustive, allowing the student to do a detailed research of information.

Material Necessary :

- Written information about the problem.
- A vehicle presenting emission problems.

The malfunction is plausible and allows only a limited number of hypotheses to be given and values to be taken

- A job sheet.
- All useful technical documents relative to the vehicle.
- Equipped work station.
- Multi-gas analyzer or diesel smoke meter.
- OBD diagnostic tool.

