

## UNIT 2

### DIAGNOSTIC AND MAINTENANCE OF THE INJECTION AND IGNITION SYSTEMS IN PETROL ENGINES

COMPETENCE	ASSESSMENT CRITERIA	Marks 0, 1, 2, or 3	Coef	Total
<b>Identify with precision the symptoms of the fault</b>	Identify the parameters of the vehicle Choose the appropriate diagnostic tool Use the diagnostic tool Identify the malfunction		1	
<b>Identify the causes of the fault</b>	The origin of the malfunction The characteristics of the malfunction (single, permanent or repetitive) Making hypothesis of the fault (in written form as well) Organisation of the work process, using documents		1	
<b>Test the system</b>	The choice of the reference values used is adapted to the system with the fault The testing equipment chosen allows the measurements to be taken.		2	
<b>Validate the malfunction and choose the appropriate action to be done</b>	The measurements retained are chosen in relation to the malfunction and the access points. The equipment is used respecting health and safety guidelines.		1	
	The interpretation of the measured values allows the causes of the fault to be identified and to restart the procedure if necessary. The causes of the malfunction are validated and justified.		2	
	The functions selected allows the vehicle to be repaired. The malfunction is repaired		1	
<b>Organise a work station</b>	The organisation of the work station is practical Environmental, and health and safety rules are respected The work station and vehicle are kept clean throughout the session		1	
<b><u>Respect the methods and schedule</u> *</b>	The task is completed within a defined time (2 H 30 maximum).		1	

\* **Special conditions**      **Mark authorised: 0 or 3**

**TOTAL :** \_\_\_\_\_

**30**