

**19-2/6/17/10 (CE1459-1) Theory**

Heavy Duty Equipment Mechanic (Off Road)

**Interprovincial  
Qualification**

**COUNSELLING INFORMATION**

**135 TOTAL QUESTIONS**

Number of Questions

<b>SECTION 1 COMMON OCCUPATIONAL SKILLS</b>	<b>11</b>
Task 1 Uses and maintains tools and equipment.	3
Task 2 Performs general maintenance and inspections.	4
Task 3 Organizes work.	2
Task 4 Performs routine trade activities.	2
 <b>SECTION 2 ENGINES AND ENGINE SUPPORT SYSTEMS</b>	 <b>21</b>
Task 5 Diagnoses engines and engine support systems.	12
Task 6 Repairs engines and engine support systems.	9
 <b>SECTION 3 HYDRAULIC, HYDROSTATIC AND PNEUMATIC SYSTEMS</b>	 <b>26</b>
Task 7 Diagnoses hydraulic, hydrostatic and pneumatic systems.	16
Task 8 Repairs hydraulic, hydrostatic and pneumatic systems.	10
 <b>SECTION 4 DRIVETRAIN SYSTEMS</b>	 <b>18</b>
Task 9 Diagnoses drivetrain systems.	11
Task 10 Repairs drivetrain systems.	7
 <b>SECTION 5 STEERING, SUSPENSION, BRAKE SYSTEMS, WHEEL ASSEMBLIES AND UNDERCARRIAGE</b>	 <b>20</b>
Task 11 Diagnoses steering, suspension, brake systems, wheel assemblies and undercarriage.	11
Task 12 Repairs steering, suspension, brake systems, wheel assemblies and undercarriage.	9

<b>SECTION 6 ELECTRICAL AND VEHICLE MANAGEMENT SYSTEMS</b>	<b>24</b>
Task 13 Diagnoses electrical systems.	8
Task 14 Repairs electrical systems.	4
Task 15 Diagnoses electronic vehicle management systems.	8
Task 16 Repairs electronic vehicle management systems.	4
 <b>SECTION 7 ENVIRONMENTAL CONTROL SYSTEMS</b>	 <b>8</b>
Task 17 Diagnoses environmental control systems.	5
Task 18 Repairs environmental control systems.	3
 <b>SECTION 8 STRUCTURAL COMPONENTS, ACCESSORIES AND ATTACHMENTS</b>	 <b>7</b>
Task 19 Diagnoses structural components, accessories and attachments.	3
Task 20 Repairs structural components, accessories and attachments.	4

TIME ALLOWED 4 HOURS

PASS MARK 70%

- This is a multiple choice type examination.
- This information is to be used for candidate counselling purposes only.