



NZQA accredited and registered provider

Safety Systems

PRACTICE PAPER ONLY

Test Paper One / Time allowed 90 mins

To be completed by the student

Student Name _____ **Date** __ / __ /2021

School/Provider _____

To be completed by the School Invigilator/Coordinator/Tutor

I confirm that this assessment was completed by the student named above as a closed book exercise under exam conditions

Invigilator Name _____

Invigilator Sign _____

Assessed By _____

Date __ / __ / 2021

**Assessor's
Stamp**

Assessors Note: Materials relate to unit standard 5766

ASSESSMENT INSTRUCTIONS

- Before undergoing this assessment it is expected that the candidate will have achieved a mark of at least 80% for the corresponding workbook.
- This is a closed book assessment
- The assessment must be completed under exam conditions.
- To achieve the standard students must demonstrate competency for each element.
- Please read the questions carefully.
- Provide detailed answers to the questions.
- Candidates must record their full name.
- Resources required: Pen (do not use pencil) and Calculator

For the following questions please circle Yes or No as appropriate:

Are you ready to be assessed? **Yes No**

Do you understand the assessment instructions, have these been explained to you? **Yes No**

Have you all the materials/resources that you need for this assessment? **Yes No**

Please sign to acknowledge that you have read these instructions and are ready to be assessed.

Candidate Signature _____ Date _____

If verbal questioning or clarification is required please use this space to record student responses (assessor to record questions asked and student’s response/s).

ELEMENT ONE

Demonstrate knowledge of motor vehicle safety systems.

1. Explain the purpose of each of the following vehicle safety systems.

Ride stability control _____

Blind spot safety _____

Park assist _____

Collapsible steering column _____

Electronic brake force distribution _____

Driver alert system _____

2. Name the current Land Transport Rules that apply to each of the following motor vehicle safety systems:

Glazing:

Brakes:

Seat anchorages:

Doors:

3. What is the main purpose of an ACU?

4. Describe how a pre-tensioner responds in the event of a crash.

5. Describe the main safety feature of each of the following:

Laminated windscreen

Door intrusion bar

Occupant protection cell

6. How are vehicle safety systems typically tested?

7. List three possible consequences of misdiagnosing faults in motor vehicle safety systems.

8. List the precautions that must be observed when storing air bags and pre-tensioners.

ELEMENT TWO

Demonstrate knowledge of working on motor vehicle safety systems

1. When working on a vehicle that has been involved in a crash outline a precaution to take to ensure each of the following

a. Your personal safety

b. Safety of other people

c. Vehicle and equipment safety

d. Workshop safety

e. Environmental safety

2. Name the Land Transport Rule that applies to seatbelts.

3. Explain how seatbelt webbing behaves during a crash.

4. List 6 seatbelt webbing conditions that if present would require a new seatbelt to be fitted.

1.

2.

3.

4.

5.

6.

5. After a crash outline the checks that should be carried out on each of the following:

Inertia reel system

Seat anchorages

Seat belt assembly

- 6. When removing a child safety restraint what should the anchoring points be checked for?**

- 7. After a crash outline the checks that should be carried out on air brake system.**

8. After a crash outline the checks that should be carried out on the steering system.

9. List 6 wheel rim conditions that if present would require a new wheel to be fitted.

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____

10. Seats are often damaged during crashes. List 4 common types of damage that may occur.

1. _____
2. _____
3. _____
4. _____



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