



NZQA accredited and registered provider

Wheels and Tyres

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 21679

SAMPLE ASSESSMENT INSTRUCTIONS

PLEASE MAKE SURE TO READ AND SIGN THIS SECTION

ASSESSMENT INSTRUCTIONS

- Before starting this assessment you should have achieved a mark of at least 80% for your workbook.
- Use a black or blue ball point pen. (do not use pencil)
- Write your full name on the cover page.
- This is a closed book assessment, so you cannot bring any reference material in, or seek help from anyone else.
- You need to answer all the questions.
- Read the questions carefully, and give detailed answers when asked to.
- You must complete the assessment under exam conditions.
- To achieve the unit standard you must show competency for each outcome.

Complete the following by circling Yes or No as appropriate:

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

Have the assessment instructions these been explained to you? **Yes** **No**

Do you understand the assessment instructions? **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.

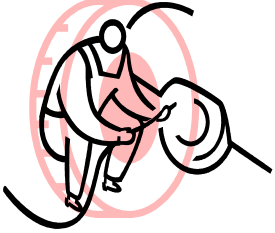
Student Signature: _____ Date: _____

You must complete the assessment instructions on Page 2 before starting this assessment!

ELEMENT ONE

Demonstrate knowledge of interchanging vehicle and/or machine wheels.

1. **How can you ensure that you are safe when interchanging wheels?**



2. **How can you ensure that other people are safe when you are interchanging wheels?**



3. **How can you ensure that equipment (axle stands, jack, hoist, wheel brace, air tools, torque wrench etc) is not damaged when you are interchanging wheels?**



4. **How can you ensure that the vehicle is not damaged when you are interchanging wheels?**



5. **Vehicle manufacturers identify jacking points for their vehicles. What is the purpose of jacking points?**

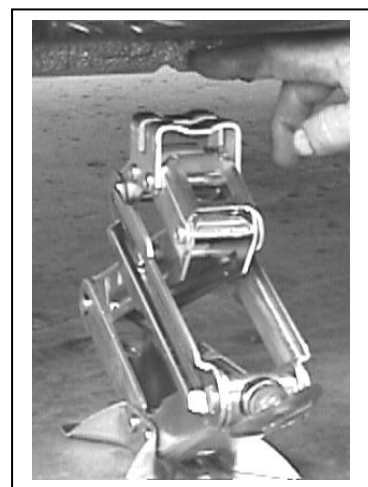
6. **What is the purpose of axle stands?**

7. **Should the wheels be touching the ground or above the ground when a vehicle is raised? Please explain your answer.**

8. **Identify the item of workshop equipment shown in the photo and describe its main use.**

Name _____

Use: _____



9. Identify the item of workshop equipment shown in the photo and describe its main use.

Name _____

Use: _____



10. What needs to be checked when inspecting each of the following?

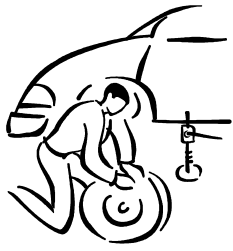
Wheel hubs _____

Tyres _____

Wheels _____

Wheel nuts and studs _____

11. Explain why it is important to consider the road surface before raising a vehicle.



12. Explain how to lower a vehicle that is supported on axle stands.

13. When checking wheel bearings explain how to check for evidence of each of the following conditions.



Play _____

Over tight _____

Roughness _____

ELEMENT TWO

Demonstrate knowledge of balancing wheels and tyres.

Q1. Explain three reasons why it is important to correctly balance wheels and tyres.

1. _____

2. _____

3. _____

2. When are the main differences between on-vehicle balancing and off-vehicle balancing?

3. When are the main differences between clip on and adhesive weights?

4. Outline the steps involved when balancing wheels.

5. How can you ensure that you are safe when balancing wheels?

6. How can you ensure that other people are safe when you are balancing wheels?

7. How can you ensure that equipment (axle stands, jack, hoist, wheel brace, air tools, torque wrench etc) is not damaged when you are balancing wheels?

8. How can you ensure that the vehicle is not damaged when you are balancing wheels?



NZQA accredited and registered provider

www.feds.co.nz



473 Te Rapa Road, PO Box 10-244, Hamilton 3241
phone 07 849 9828 | gateway@fairviews.co.nz