



TLIC4006

Drive Multi-combination Vehicle

Practice Questions

**SAMPLE
ONLY**

Study Record

You must record you study dates and times.

This record will be included to your volume of learning and overall theory training time.

Date	Resource Used	Start Time	End Time	Total Time
Total				

Student Name : _____

Signature : _____ Date ____/____/____

Trainer Name : _____

Signature : _____ Date ____/____/____

Section 1 – Written Questions

Instructions:

This is a sample only of what may or may not be included on the actual assessment. The practice questions are designed to check your understanding and underpinning knowledge of the unit TLIC4006 Drive multi-combination vehicle. It is suggested that you student the learner guide and any other resources relevant to help with your learning.

You may refer to your resources whilst completing the practice questions, however your actual assessment will be a closed book.

Answers are provided at the back of the booklet for the practice questions, the questions may not be the same as the theory assessment – please do not look at the answers until you have completed all questions first.

The answers contained within the booklet are concise and full responses or detailed explanations may be required in order to answer the questions fully.

Questions
List seven (7) Workplace Health & Safety obligations you must follow?
Answer: 1. 2. 3. 4. 5. 6. 7.

What are 5 legislations and guidelines that a driver needs to follow?

Answer:

- 1.
- 2.
- 3.
- 4.

What are some environmental hazards you may encounter while driving?

Answer:

- 1.
- 2.
- 3.
- 4.

What is the maximum speed limit for a road train?

- 100 km
- 90 km

What is the minimum distance allowable between heavy vehicles, (not a road train) traveling outside a built up area?

- 50 m
- 60 m
- 80 m
- 100 m

Unless otherwise stated, what is the maximum speed limit allowed in a built up area?

- 60 km
- 50km
- 40km

What is the Maximum speed limit for a B-double?

- 100 km
- 90 km

What is the maximum width of a vehicle over 4.5 tonne Gross Vehicle Mass not including mirrors or signalling devices?

- 4.5 m
- 4.3 m
- 2.5 m
- 2.0 m

What is the maximum height of a heavy vehicle, not including livestock carrier, car carrier or double decker bus?

- 4.5 m
- 4.3 m
- 3.8 m

What category of vehicles must obey “TRUCKS & BUSES MUST USE LOW GEAR”



Answer:

When you are driving a truck over 4.5t what should you do when you see this sign “TRUCKS & BUSES MUST USE LOW GEAR”?

Answer:

What warning signs must be displayed on the following vehicles:

- a) B-double, a prime mover/semitrailer combination towing a converter dolly that is over 22m or longer
- b) A vehicle towing two trailers with a converter dolly

Answer:

a)

b)

How do you determine when a vehicle is 'B Double' rated?

- Ask the boss
- Check the compliance plate (s9)
- If it looks big it must be right
- Old mate said its ok

"DO NOT OVERTAKE TURNING VEHICLE" signs...

A) What is the length of vehicle that can display the sign?

B) How far from an intersection should you before to start to lane share?

Answer:

a)

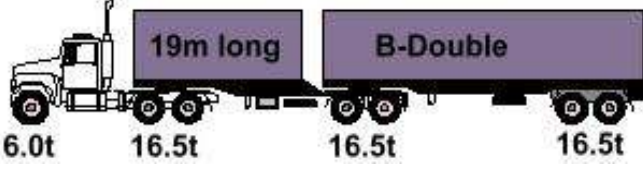

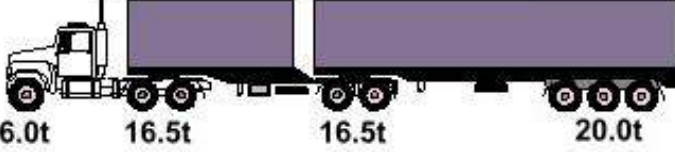
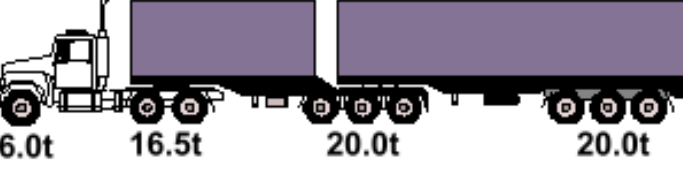
b)

When must this sign be displayed on a heavy vehicle?

LONG VEHICLE

- All vehicles or combinations Over 22 m
- All vehicles or combinations Under 22 m
- Only on a B double / Road train

Axles weights – complete the following table by giving the total weights of each vehicle.

Vehicle Type	General Mass Limits (Tonnes)
 <p>A truck with a 19m long trailer and a B-Double trailer. The axle weights are 6.0t, 16.5t, 16.5t, and 16.5t.</p>	
 <p>A truck with a 25m long trailer and a B-Double trailer. The axle weights are 6.0t, 16.5t, 16.5t, and 16.5t.</p>	
 <p>A truck with two trailers. The axle weights are 6.0t, 16.5t, 16.5t, and 20.0t.</p>	
 <p>A truck with two trailers. The axle weights are 6.0t, 16.5t, 20.0t, and 20.0t.</p>	

List two (2) places that you could access travel conditions, accidents or emergencies information prior to starting your journey?

Answer:

- 1.
- 2.

You are transporting a heavy and high load. In planning your route you notice that you have to go across and go under bridges. Where could you go to find out if this is a safe route to travel?

Answer:

What are STANDARD work and rest hours in fatigue management?

Answer:

List five (5) ways to manage stress.

Answer:

- 1.
- 2.
- 3.
- 4.
- 5.

List four (4) causes that increase fatigue related accidents

Answer:

- 1.
- 2.
- 3.
- 4.

Accidents can be caused by a number of things, one of which is driver fatigue. List four (4) effects or consequences of a driver having a fatigue-related accident.

Answer:

- 1.
- 2.
- 3.
- 4.

List four (4) factors that may contribute to an accident whilst driving an MC vehicle

Answer:

- 1.
- 2.
- 3.
- 4.

List four (4) lifestyle factors that promote good fatigue management?

Answer:

- 1.
- 2.
- 3.
- 4.

What procedures would you follow if you are involved in a serious MV accident and you are not injured?

Answer:

Why is it important to complete the pre start?

Answer:

What are the steps involved in uncoupling a semi-trailer?

Answer:

- 1.
- 2.
- 3.
- 4.
- 5.
- 6.
- 7.

Explain the difference between an air braking system and a hydraulic braking system?

Answer:

Describe how you would drain the air tanks

Answer:

List 3 rules that should be adhered to when using a radio?

Answer:

- 1.
- 2.
- 3.

What channel is used by highway vehicles and trucks in Queensland?

Answer:

What five (5) key driving techniques must you consider when driving a laden vehicle?

Answer:

- 1.
- 2.
- 3.
- 4.
- 5.

If you have missed a gear and can't select your chosen gear what do you do?

Answer:

What do you do if when driving on the highway you observe an oncoming vehicle crossing the centre line 400 metres ahead of you?

Answer:

What do you do if whilst driving in low light and rain, you approach a corner where the road camber changes, and you notice surface irregularities?

Answer

How do you control the vehicle if the front wheel traction is lost?

Answer:

In what area are you allowed to use exhaust breaks?

Answer:

How far ahead should you scan for hazards?

Answer:

What is a 'tug-test' and why is it important?

Answer:

What are the four steps you should follow when you encounter a hazard?

Answer:

- 1.
- 2.
- 3.
- 4.

When loading a semi-trailer what is the best position for the center of mass of the load and why?

Answer:

List four (4) factors that can affect the handling characteristics of your vehicle.

Answer:

- 1.
- 2.
- 3.
- 4.

What is 'brake-fade' and how can you reduce it?

Answer:

List the steps involved in coupling a semi-trailer

Answer:

1.

2.

3.

4.

5.

6.

7.

8.

9.

10.

11.

12.

Instructions:

This activity requires you to read the below scenario and complete the attached National Driver Work Diary (following pages). Your entry must follow legal legislative requirements and follow standard solo driver guidelines.

Your supervisor has given you the intended plan and wants to see if you can complete the diary correctly.

Driving task:

- You arrive at work in Acacia Ridge at 6am where you spend $\frac{1}{4}$ hour completing a pre-operational check on your vehicle and then set out for Mackay via the M1/Bruce Highway.
- 4.5 hours into the trip you arrive in Gin Gin for $\frac{1}{2}$ hours rest.

- Your next stop is at Marlborough 4¼ hours later for ½ hours rest
- Before leaving you decide to do an on-road trip inspection which takes ¼ hours
- Then you drive to the final 3 hours to Mackay

THE COMPANY REQUESTS THAT YOU PLAN THIS TRIP LEGALLY

Please report on the route plan and note any issues:

Please use this page to record any notes or questions you may have:

ORIGINAL (to remain in the book)

NATIONAL DRIVER WORK DIARY DAILY SHEET

WORK DIARY NO. _____

DRIVER IDENTIFICATION											
Driver's Name: _____			Date: _____		Day of the Week: S M T W T F S			Driver <input type="checkbox"/> Standard <input type="checkbox"/> Standard Bus		Time of pre-trip check (if required): _____	
Licence No: _____		Number Plate: _____		Time Zone: State/Territory (Driver Base)			<input type="checkbox"/> BFM <input type="checkbox"/> AFM				
				ACT NSW NT QLD SA TAS VIC WA		<input type="checkbox"/> Work/Rest exemption (for this 24 - hour period only)					

DETAILS OF ACTIVITIES FOR THIS DAY	Number plate change and Comments (optional) <small>(e.g. delays, authorised officer notes)</small>																									Space for you to calculate your work and rest hours (optional)	
	Odometer Reading <small>(record at start & end of day & at work/rest change)</small>																										
	Name of Place at Work/Rest Change <small>(rest area, truck stop, suburb or town)</small>																										
	Two-up																										
		midnight 1 2 3 4 5 6 7 8 9 10 11 noon											1 2 3 4 5 6 7 8 9 10 11 midnight											All drivers: calculate totals			
	My Work	Total Work:																									
	My Rest	Total Rest:																									
		midnight 1 2 3 4 5 6 7 8 9 10 11 noon											1 2 3 4 5 6 7 8 9 10 11 midnight														
	DO NOT DRIVE IF YOU ARE IMPAIRED BY FATIGUE																										

Driver Signature:
To the best of my knowledge and belief the information I have recorded on this daily sheet is true and correct

YOU MUST SIGN THIS PAGE BEFORE STARTING A NEW PAGE

TWO-UP DRIVER'S IDENTIFICATION									
Two-up Driver's Name: _____			Two-up Driver's Licence No: _____			Two-up Driver <input type="checkbox"/> Standard <input type="checkbox"/> BFM <input type="checkbox"/> AFM <input type="checkbox"/> Work/Rest Exemption (for this 24 hour period only)			
Two-up Driver's Work Diary & Page No: _____			Two-up Driver's Licence issued:			Two-up Driver's Signature: _____			
			ACT NSW NT QLD SA TAS VIC WA						

Check your answers.

Answers

List seven (7) Workplace Health & Safety obligations you must follow?

1. Take reasonable care for your own health & safety when at work
2. Tell your supervisor about potential hazards or personal physical problems in the workplace.
3. Follow any safety guidelines/systems of work as per training and instructions
4. Take reasonable care not to affect the health and safety of others by your acts or omissions
5. Work with your employer in any action that may make your workplace safer
6. Make sure that you have the correct licence for the class of truck, or load shifting equipment (forklift etc) to be driven and a certificate of competency if you operate or drive industrial equipment that requires certification
7. Report any injury immediately to a supervisor/person responsible for Workplace Health & Safety

What are 5 legislations and guidelines that a driver needs to follow?

- Transport Operations (Road Use Management) Act 1995
- Transport Operations (Road Use Management—Road Rules) Regulation 2009
- Heavy Vehicle (Fatigue Management) National Regulation 2016
- Load Restraint Guidelines 2018 (NTC)
- Heavy Vehicle (Mass, Dimension and Loading) National Regulation

What are some environmental hazards you may encounter while driving?

Overhanging trees or branches, poor visibility, adverse weather conditions, flooded roads, sun glare, dust, fog

<p>What is the maximum speed limit for a road train?</p> <p><input type="radio"/> 90 km</p>
<p>What is the minimum distance allowable between heavy vehicles, (not a road train) traveling outside a built up area?</p> <p><input type="radio"/> 60 m</p>
<p>Unless otherwise stated, what is the maximum speed limit allowed in a built up area?</p> <p><input type="radio"/> 50km</p>
<p>What is the Maximum speed limit for a B-double?</p> <p><input type="radio"/> 100 km</p>
<p>10. What is the maximum width of a vehicle over 4.5 tonne Gross Vehicle Mass not including mirrors or signalling devices?</p> <p><input type="radio"/> 2.5 m</p>
<p>What is the maximum height of a heavy vehicle, not including livestock carrier, car carrier or double decker bus?</p> <p><input type="radio"/> 4.3 m</p>
<p>What category of vehicles must obey “TRUCKS & BUSES MUST USE LOW GEAR”</p> <div style="display: flex; align-items: center;"> <div style="border: 1px solid black; padding: 5px; margin-right: 10px;"> <p>TRUCKS & BUSES MUST USE LOW GEAR</p> </div> <p>Vehicles over 4.5 t GVM</p> </div>
<p>When you are driving a truck over 4.5t what should you do when you see this sign “TRUCKS & BUSES MUST USE LOW GEAR”?</p>
<p>You must select a gear prior to descending and maintain that same gear throughout the decent. The gear should be able to control the vehicle’s speed without the use of the primary brake. This does not apply to the driver of a bus if information on or with the sign indicates that it applies only to trucks.</p>

What warning signs must be displayed on the following vehicles:

- a. B-double, a prime mover/semitrailer combination towing a converter dolly that is over 22m or longer
- b. A vehicle towing two trailers with a converter dolly

a) LONG VEHICLE

b) ROAD TRAIN

How do you determine when a vehicle is 'B Double' rated?

- o Check the Modification plate (s9)

"DO NOT OVERTAKE TURNING VEHICLE" signs...

A) What is the length of vehicle that can display the sign?

B) How far from an intersection should you before to start to lane share?

a) The length of the vehicle, together with any load or projection must be 7.5 metres in length or longer.

b) The driver's vehicle, together with any load or projection, is 7.5m long, or longer and any part of the vehicle is within 50m of the nearest point of the intersection

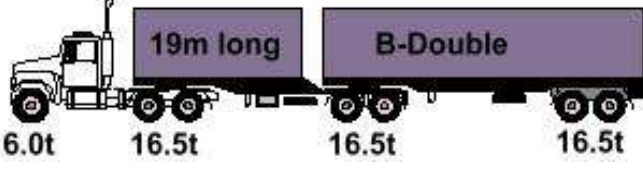

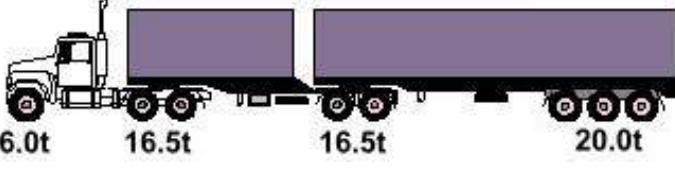
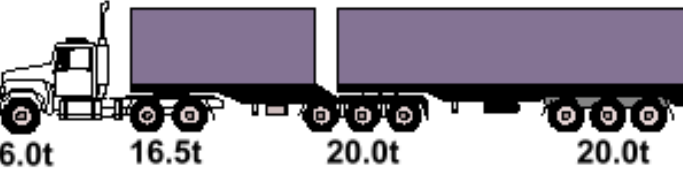
It is also acceptable if it is not practicable for the driver to turn right from within the right lane and the driver can safely occupy the next marked lane and can safely turn right at the intersection by occupying the next marked lane, or both lanes.

When must this sign be displayed on a heavy vehicle?

LONG VEHICLE

- o All vehicles or combinations Over 22 m

Axles weights – complete the following table by giving the total weights of each vehicle.

Vehicle Type	General Mass Limits (Tonnes)
 <p>19m long B-Double 6.0t 16.5t 16.5t 16.5t</p>	55.5
 <p>25m long B-Double 6.0t 16.5t 16.5t 16.5t</p>	
 <p>6.0t 16.5t 16.5t 20.0t</p>	
 <p>6.0t 16.5t 20.0t 20.0t</p>	62.5

List two (2) places that you could access travel conditions, accidents or emergencies information prior to starting your journey?

RACQ, GPS, Satellite navigation, Traffic and Travel Information 131940,
<http://highload.131940.qld.gov.au/#incidents>

You are transporting a heavy and high load. In planning your route you notice that you have to go across and go under bridges. Where could you go to find out if this is a safe route to travel?

National Heavy Vehicle Regulator website (NHVR)

What are STANDARD work and rest hours in fatigue management?

Maximum 12 hours work time in any 24 hour period driving a fatigue regulated heavy vehicle

List five (5) ways to manage stress.

Take care of yourself, have realistic schedule, remain calm, don't rush, think before acting

List four (4) causes that increase fatigue related accidents

Long driving hours, poor health, work schedules, disturbed sleep, no sleep, minimum sleep, no rest, no exercise, poor diet, alcohol/drugs, loading

Accidents can be caused by a number of things, one of which is driver fatigue. List four (4) effects or consequences of a driver having a fatigue-related accident.

The loss of a life
 Injury to others damage to property
 Trauma and stress on your family and friends as they suffer the loss
 No income or lost income
 Insurance premiums increase to cover accident costs
 Your Company loses productivity as does the industry generally
 Legal Implications

List four (4) factors that may contribute to an accident whilst driving an MC vehicle

Speed, Inattention, Mechanical problems, Poor road conditions, Drug and alcohol use

List four (4) lifestyle factors that promote good fatigue management?

Recover/reduce sleep debt
 Sleep well
 Exercise
 Eat sensible (food with low calorie & fat)
 Take naps
 Don't overuse mild stimulants(caffeine drinks)
 Regular check up
 Limit alcohol
 Keep mind active while driving

What procedures would you follow if you are involved in a serious MV accident and you are not injured?

Secure the scene, check for injury (self and others), notify authorities, assist the injured, wait on scene, report to supervisor

Why is it important to complete the pre start?

To ensure the safe operation of all equipment is in accordance with manufacturer's specifications and operating procedures and company standard.

What are the steps involved in uncoupling a semi-trailer?

1. Park vehicle on flat ground
2. Engage park brake (maxi brakes)
3. Turn on hazard lights
4. Lower landing legs (ensure they are high enough you can pull away from trailer)
5. Disconnect air and electrical lines – don't forget to turn off the taps
6. Pull handle to release turntable jaws
7. Drive forward slowly to ensure the trailer is disconnected correctly

Explain the difference between an air braking system and a hydraulic braking system?

Hydraulic brakes use brake fluid to transmit force when the brakes are applied. Since brake fluid cannot be compressed, force is transmitted immediately and at each wheel when you press the brake pedal. In an air brake system air builds up inside of a compressor, and holds the air in reservoir tanks, ready to be used. When a truck brakes, compressed air is released from these reservoirs; the pressure decreases, pressing the brakes against a brake drum, slowing the truck down.

Describe how you would drain the air tanks
There are points of release for the Drain tanks or drain the air dryer tank.
List 3 rules that should be adhered to when using a radio?
Do not swear, only use communication equipment as intended, Do not use communication equipment when driving (hands free only) and don't use radio in restricted areas, keep radio on during work hours, use your company's call sign when sending a message, give a clear 'roger' to indicate you have received the message.
What channel is used by highway vehicles and trucks in Queensland?
Channel 40
What five (5) key driving techniques must you consider when driving a laden vehicle?
Stability, steering / cornering, braking and speed, distance (space cushion), observation
If you have missed a gear and can't select your chosen gear what do you do?
Select higher gear OR go back to previous gear - pull over and stop if possible
What do you do if when driving on the highway you observe an oncoming vehicle crossing the centre line 400 metres ahead of you?
Take your foot off the accelerator, turn lights on, flash high beam, sound horn, always veer left slowly, look for escape route (crash through a fence, try not to crash into the other vehicle), start control braking
What do you do if whilst driving in low light and rain, you approach a corner where the road camber changes and you notice surface irregularities
Ease off acceleration, consider lane position, drive to suit conditions.
How do you control the vehicle if the front wheel traction is lost?
Ease off acceleration or off brakes, straighten front wheels, when traction regained, re-commence braking and steering more gently.
In what area are you allowed to use exhaust breaks?
Anywhere, unless otherwise signed
How far ahead should you scan for hazards?
12 seconds
What is a 'tug-test' and why is it important?
The importance of a 'tug test' to check the trailer is locked onto the prime mover and that the connecting pin is secure.
What are the four steps you should follow when you encounter a hazard?
1. Identify any hidden or obvious hazards (e.g. a child playing with a ball on the side of the road).

2. Predict what the hazard is going to do (e.g. is it possible the child is going to run onto the road?).
3. Decide what you are going to do (often slow down and get ready to stop).

Act on the decision (brake).

When loading a semi-trailer what is the best position for the center of mass of the load and why?

The centre of mass of the load should be just forward of the rear axel group to provide even weight distribution across all axels to ensure traction and stability.

List four (4) factors that can affect the handling characteristics of your vehicle.

1. Uneven surfaces, change of surface (roundabouts / intersections)
2. Incorrect loading of trailers.
3. Overtaking / passing. Must be careful not to drop off the shoulder due to the camber of the road.
4. Over braking on one wheel or trailer, (incorrect brake adjustment or poorly maintained brakes).
5. Trailer whip (ring feeder versus turntable).

What is 'brake-fade' and how can you reduce it?

Continuous heavy braking on a hill can cause brake linings to heat up. After a while the brakes will no longer slow the vehicle. This is called "brake fade".

To help reduce brake fade, shift into a lower gear before starting down a hill and use auxiliary brakes or "retarders". If you need to use your service brake going down a hill, use intermittent braking to prevent brake fade.

List the steps involved In coupling a semi-trailer

Position prime mover in front of trailer/s

Put hazard lights on

Reverse up slowly to trailer – stop when trailer is inline with back of prime mover

Engage park brake (maxi brakes)

Visually check the pin is lined up to the jaws and that the trailer height is correct with the turntable

Reverse slowly - stop when turntable is under skid plate (but not touching pin) – visually check pin alignment and raise legs to 50 mm of ground – reverse back until you hear the jaws lock onto the pin on the trailer

Perform a “tug test”

Connect the air and electrical lines – don't forget to turn on the taps

Raise landing legs fully – stow away handle

10. Check lights are working

11. Wait for air pressure to build up in trailer and drive forward slowly – ensure you check that trailer wheels are rolling

12. Complete a trailer brake test.

Work Diary

Bring your completed work diary activity in for checking

This is the end of practice questions – when you feel you are ready please call Shift on (07) 3133 0552 to make a booking for the 2 hours refresher session and theory assessment.