# Heavy Goods Information Kit 

For Information Phone Noel on 0862682305 or visit www.hynesquinn.com

## Covering Test Centres in:

Longford, Carrick - on - Shannon, Roscommon, Sligo, Cavan, Athlone, Mullingar, Tullamore, Roscrea, Birr, Portlaoise

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## Euro Price List

Car
€28.00 - Per Person
€25.00 - Student
€ 250.00 - Per Course of 10 Lessons
€70.00 - Hire of Car for Test (Includes one free pre-test lesson just before test. This also includes Insurance for test)

## Mini Bus

€60.00 - Per One and a Half Hour Lesson
€150.00 - Hire of Mini Bus for Test (Includes one free pre-test lesson just before test. This also includes Insurance for test)

## Rigid

€60.00 - Per One and a Half Hour Lesson
€150.00 - Hire of Truck for Test (Includes one free pre-test lesson just before test. This also includes Insurance for test)

## Artic / Bus

€75.00 - Per One and a Half Hour Lesson
€150.00 - Hire of Vehicle for Test (Includes one free pre-test lesson just before test. This also includes Insurance for test)

## Licensing \& Certification Training

€385.00 - For registered certified course on Teleporter / Digger and all heavy duty plant machinery.
€ 320.00 - For registered certified course on Counter Balance Forklift.

## Student, Group and FÁS Discount Available

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Note: $\mathbf{2 4}$ Hours Notice of cancellation must be given or lesson must be paid for before tuition re-commences. All lessons to be paid for on the day of tuition.

## Possible Test Questions

1. How would you know a zebra crossing at night? Flashing Beacons and Zig Zag lines.
2. When can you overtake on the left?

When you are turning left, when the vehicle ahead is turning right, or when traffic on the right is moving more slowly
3. What are the rules at a box junction?

Never enter unless you can clear it without stopping. It is permitted to enter if you are waiting to make a right turn
4. When should you dip your headlights?
a.) When meeting on coming traffic at night. b.) When driving in a built up area. c.) At the beginning and end of lighting up hours. d.) when there is dense fog or snow. e.) when following close behind other traffic at night. f.) generally to avoid inconvenience to other road users.
5. Describe a pedestrian street?

A red circle with a white inside but with no writing, with a sign saying Pedestrian Zone.
6. What does a single yellow line mean?

No parking during business hours
7. What does a double yellow line mean?

No parking at any time
8. What does a broken yellow line mean?

Indicates the edge of the road and usually the beginning of the hard shoulder.
9. What is the hard shoulder used for?

The hard shoulder is not an extra traffic lane and should only be used in an emergency or by pedestrians or cyclists. However a vehicle may move in temporarily to allow faster moving vehicles to overtake.
10. When approaching an amber light at a set of traffic light what should you do?

Stop if it is safe to do so
11. What road markings are found at the no-entry end of a one way street?

A continuous white line in front of a broken white line
12. What are the restrictions when driving on a motorway?
a.) No learner drivers. b.) No vehicles under 50cc. c.) No invalid carriages. d.) No tracked vehicles. e.) No Animals. f.) No pedestrians. g.) No cyclists.
13. What are the differences between a motorway and a dual carriageway?

No right turn on a motorway, no stopping on a motorway, no crossroads on a motorway, no $U$ turns on a motorway and you must ensure you have enough fuel, water and oil to complete your journey on a motorway.
14. What is the national speed limit for cars and trucks?

100kph for cars, 80 kph for trucks
15. What is a clearway?

Stopping and parking prohibited at the times shown on the information plate.
16. What age limit must a passenger be before He/She is legally entitled to sit in the front seat?

12 years of age
17. Where can you not park?

Within 15 m of a zebra crossing, bus stop or taxi rank, near a school entrance, fire brigade or ambulance station, within 5 m of a junction, in a with flow bus lane during hours of operation, in a contra flow bus lane, at a loading bay during hours of working, at a corner, brow of a hill, bend, hump back bridge and anywhere it would inconvenience other road users.
18. What is Aquaplaning?

When bald or worn out tyres cause the car to slide on a film of water.
19. What is the legal parking for a.) a Kerb b.) a Junction c.) a Zebra Crossing?

Kerb $=45 \mathrm{~cm} \quad$ Junction $=5 \mathrm{~m}$
Zebra Crossing $=15 \mathrm{~m}$
20. Name three kinds of road signs?
a.) Warning b.) Information c.) Regulatory
21. What is a contra flow bus lane?

It runs in the opposite flow of traffic using the same carriageway
22. At a junction of equal importance whom do you give way to?

Traffic on your right or traffic already on the junction.
23. If a blind person were crossing the road, how would you know He/She was deaf also?

There would be two reflective bands on His/Her white stick.
24. What shape and colour is a warning sign?

Diamond shape, yellow and black.
25. What should be kept clean on your car?

Lights, reflectors, windows, mirrors and registration plate.
26. When should you use your hazard lights?

When your car has broken down or at a hazardous situation where it would be beneficial to other road users, or at the scene of an accident.
27. What does a broken white line mean?

A broken white line divides the centre of the road and can only be crossed when it is safe to do so.
28. How would you approach a green light that has been green from the first time you saw it?

Approach with caution, in case you have to stop if it changes, preferably in $3^{\text {rd }}$ gear.
29. What should you do before you take off?

Check your mirrors, signal and check your blind spot.
30. In what position should you drive?

As close to the left as possible
31. Describe motorway count down markers?

Blue with 3 bars $-300 \mathrm{~m} \quad$ Blue with 2 bars $-200 \mathrm{~m} \quad$ Blue with 1 bar -100 m
32. Can you stop on a double yellow line?

Yes, but only to pick up or drop off.
33. Can you park opposite a solid white line?

No
34. Where would you see flashing red lights?

At a level crossing
35. What by law is the minimum tread depth your tyres must have?
1.6 mm .
36. What light follows a flashing amber light?

Green.
37. What is the legal alcohol/blood limit for driving?

80 mg per 100 ml blood.
38. What action would you take if while driving at night an oncoming vehicle failed to dip its headlights?

Look to the left, slow down and stop if necessary keeping your headlights dipped.
39. What regulatory sign do you see as you approach a roundabout?

A Yield Sign.
40. What is the difference between a Zebra Crossing and a Pelican Crossing?

At a Pelican Crossing the traffic is controlled by the pedestrian pressing a button.
41. If while driving on a motorway you felt tired, would it be OK to stop on the hard shoulder and sleep for a while?
No, you must leave at the next exit.
42. Are back seat passengers required by law to wear seat belts?

Yes.
43. Is the driving tester required to wear a seat belt while conducting the driving test?

No.
44. When according to the Rules of the Road should a driver seek the assistance of other road users?

While reversing where there is a poor view, or if you are involved in an accident and need to warn others.
45. When is it permissible to drive in the right hand lane on a dual carriageway?

Only while overtaking or if you intend to turn right in a short distance ahead.

## Heavy Goods Questions - General

1. What braking systems are on most large vehicles?

A 3 way braking system (i.e. Foot Brake, Hand Brake \& Engine Brake).
2. What is the engine brake (exhaust brake)?

It operates in the exhaust system; it closes a valve so that an exhaust pressure is built up, which in turn causes a braking effect in the engine. At the same time the control rod on the fuel pump is moved to the stop position.
3. When is it used?

When going down a steep hill
4. How are the braking systems worked?

By Air and Hydraulic.
5. What should a driver do to build up air pressure and what effects would low pressure have on the vehicle?
The air pressure is built up by starting the engine and revving. If you lose air pressure the brakes will lock on without warning and your vehicle will stop up. The brake pedals will become spongy.
6. How is air supplied and what is a safe air pressure in the air tanks?

By a compressor driven by the engine, the air is stored in air tanks. If the air pressure is at low levels in the tanks it will register on a clock in the cab, a warning light and buzzer will come on. The clock should register not less that $5 \sim 7.5$ bars.
7. What should be carried in the cabs of trucks?

Triangle, Spare Tachograph discs, and in buses, the former plus a fire extinguisher and a first aid kit.
8. What checks must a driver do daily?

Oil, Water, Brake Fluid, Air Pressure, Power Steering, Drain Air Tanks and check Road Fuel.
9. What is a vehicle tail swing?

The portion of the vehicle from the rear wheels to the vehicle end swings in the opposite direction when turning left or right, thus colliding with other vehicles overtaking on the inside or parked vehicles, lamp posts or queues of traffic.
10. What must a driver do if a vehicle breaks down?

Place a warning triangle as near to the left as possible. Put the hazard lights on. Place the triangle at least 50 yards from the rear of the vehicle. If immediately around a bend place the triangle before the bend.

## Weights \& Measures (Rigid Only)

| Maximum Gross Vehicle Weight | 2 axle | $17,000 \mathrm{~kg}$ |
| :--- | :--- | :--- |
| Maximum Gross Vehicle Weight | 3 axle | $22,360 \mathrm{~kg}$ |
| Maximum Gross Vehicle Weight | 4 axle | $\mathbf{2 5 , 4 1 0 \mathrm { kg }}$ |


|  | Metric | Feet / Inches |
| :--- | :---: | :---: |
| Maximum Length | 10.9 m | 36 ft |
| Maximum Width | 2.5 m | $8 \mathrm{ft} 21 / 2 \mathrm{inches}$ |
| Maximum Height | 4.25 m | 15 ft |

## Overhangs

|  | Metric | Feet / Inches |
| :--- | :---: | :---: |
| Maximum Rear Overhang | 1.09 m | 3ft 6inches |
| Maximum Side Overhang | 0.3 m | 16 inches |

Rear: If overhang at rear exceeds max. then during the day you must have it marked with a red flag or reflective device and at night by a red light and red reflector.

Side: If side overhang exceeds .4 m then it must be marked at night by lamps showing white to the front and red to the rear. Other side markings are a combination of yellow and amber reflectorised stripes.

Weights \& Measures (Artic Only)

| Maximum Gross Vehicle Weight | 3 axle | 26 tons |
| :--- | :--- | :--- |
| Maximum Gross Vehicle Weight | 4 axle | 32 tons |
| Maximum Gross Vehicle Weight | 5 axle | 38 tons |
| Maximum Gross Vehicle Weight <br> With road friendly / Air Suspension | 4 axle | 40 tons |
| Maximum Gross Vehicle Weight <br> With road friendly / Air Suspension | 5 axle | 40 tons |


|  | Metric | Feet / Inches |
| :--- | :---: | :---: |
| Maximum Length | 16.5 m | 54 ft |
| Maximum Width | 2.5 m | $8 \mathrm{ft} 21 / 2$ inches |
|  | (2.6m refrigerated) |  |
| Maximum Height | 4.25 m | 15 ft |

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## Artic - Dropping the Trailer

Fifth Wheel - Uncoupling
Before Uncoupling:

- Make sure that the ground you are working is flat \& firm. If you are in any doubt place a railway sleeper underneath the trailer legs
- Select a safe place and sensible position for the trailer before you start


## Uncoupling

- Apply trailer brake
- Lower trailer legs
- Turn of air taps (if fitted)
- Disconnect air and electrical lines
- Remove safety catch and disconnect fifth wheel coupling
- Drive away slowly


## After Uncoupling

- Check that the trailer brake is still on
- Ensure safety of the trailer


## Fifth Wheel - Coupling

Before coupling

- Check that trailer brake is on
- Ensure that the trailer height is level with unit

Coupling

- Reverse unit slowly under trailer until coupling engages
- Select a low gear and tug forward to test coupling
- Ensure that the king pin is properly engaged and apply safety catch
- Connect air and electrical lines
- Turn on air taps
- Raise trailer legs and return handle to holder
- Release trailer brake
- Attach appropriate number plate to rear


## After Coupling

- Check all tyres and lights
- Test brakes as soon as possible


## Bus Questions - General

1. What should be carried on a bus?

Warning Triangle, First Aid Kit, Fire Extinguisher and spare tachograph discs.
2. What should a driver do if a bus breaks down?

Place the warning triangle at least 50 yards from the rear of the bus and near to the left as possible, unless immediately around a bend in which case the triangle should be placed before the bend to warn oncoming traffic of an obstruction ahead. Leave the hazard lights on. Ring for another bus to take the passengers.

## Passenger Pickup

Check the left mirror and pull into the left hand side of the road. When pulling away again check the left mirror to make sure all the passengers are on the bus, check the centre mirror to ensure all passengers are seated, check right mirror before you pull away. Finally check left mirror again to ensure there are no passengers running for the bus.

## Driving Hours Regulations

## Driving Periods

- Maximum without rest ~ 4.5 hours actually driving
- Break of at least 45 minutes must be taken
- May be replaced by $\mathbf{3 x} 15$ minute breaks over the driving period, cumulative ~ 45 minutes


## Daily Driving Period

- Is the driving period between two daily rest periods or between a daily rest period and a weekly rest period
- The daily driving period must not exceed 9 hours which may be extended twice in any one week to 10 hours
- Fortnightly Driving Period must not exceed 90 hours of actual driving


## Daily Rest Periods

In each period of 24 hours, the driver must have a daily rest of at least 11 consecutive hours which may be reduced to not less than 9 consecutive hours not more than three times in any one week

On days when the rest period is not reduced, Daily Rest may be split into two or three rest periods, on of at least 8 consecutive hours duration. The minimum daily rest period must be increased to $\mathbf{1 2}$ hours.

## Two Driver Situation

Each driver must have a rest period of not less than 8 consecutive hours each period of 30 hours.

Vehicles must be fitted with a bunk and be stationary.

## Turning Left

Before any type of manoeuvre or slowing down you must give signal of intention in good time. Always check mirrors and assess the traffic behind, signal for left turn, prepare the car for slowing down and stopping at the junction. Position your vehicle close to the left hand side of the road and look into the junction in which you are going to turn. After completing the manoeuvre always check mirrors in the new road for following traffic


## Common Areas for Mistakes in Turning Left

- Speed on the approach to a left hand turn
- Select the wrong gear for the corner
- Holding the wrong position (i.e. out to far) when signalling to turn left
- Moving right (while signalling left) just before the turn
- Incorrect observation
- Proceeding when it is not safe to do so
- Failing to look into the road in which you intend to travel
- Failing to maintain the correct position after the turn is completed on the new road


## Turning Right

Well before you intend to make your right turn you must check your mirrors to have a clear picture of the following traffic, which is very important when turning right as you will be changing position on the road. The correct procedure is Mirrors, Signal, Position, Speed, Mirrors \& Manoeuvre.

## MIRROR:

Check mirrors first to check traffic behind.

## SIGNAL:

Always signal in good time and check that you can change position safely on the road.

## MIRRORS:

Check Mirrors Again.

## MANOEUVRE:

Take up position to the right just left of the centre of the road and maintain signal. Proceed when clear road ahead and do not cut corners. Never cross if you have to rush.


## Common Areas for Mistakes in Turning Right

- Incorrect observation
- Waiting unduly for oncoming traffic
- Proceeding when not safe to do so
- Cutting of right hand corners
- Failing to maintain the correct position after turn on the new road
- Over-steering, thus leading to incorrect position
- Moving out without proper observation
- Waiting to turn right in the wrong holding position
- Failing to take possession of the junction when it would be safe and correct to do so
- Not understanding filter traffic lights


## Reversing Around a Corner

Do not be careless when reversing. Give way to all other traffic and always look into the road you intend reversing into to make sure you do not disrupt any body else. Reverse slowly maintaining progress straight back until your rear wheels are in line with the start of the corner. When your wheels are level start turning into the corner, pulling the steering wheel left for a left corner and right for a right corner, looking around for nearby traffic. As you round the corner you can start to straighten your wheels again. Keep to your own side.


This should be done with:

- Observation
- Manoeuvrability
- Control


## Box Junction

You should never enter and wait in a yellow box unless your exit road is clear. One exception to the rule is that you can enter and wait in a yellow box if you are turning right and your exit road is clear

Even if you are turning right, don't enter and stop on it, if so you would obstruct other traffic which has the right of way.


## Hill Start

During your test you will be expected to demonstrate a hill start. Your examiner will ask you in words such as these, "Some where safe and convenient, I would like you to pull in on the left please"

This means that you must check your mirrors and signal your intention to pull in, always making sure not to inconvenience others, paying special attention to pedestrians and cyclists.

After stopping you should:

- Apply the handbrake
- Select Neutral
- Cancel your signal

Note: Never stop your car on the hand brake. Your car should always be stopped fully on the foot brake and then apply the hand brake.

## Moving away on a hill

Remember this is much the same as moving away from any ordinary position. Gears + Signal + Mirrors + Blind Spot. Do not let the car roll back. Take off nice and smooth, with your pulling out signal on.

## Roundabouts

## $1^{\text {st }}$ Exit: Left or exit before 12 o'clock

Approach and enter the roundabout in the left hand lane, signalling a left hand turn in good time and proceed to leave at that exit. Always give way to traffic on your right already on the roundabout.

## $2^{\text {nd }}$ Exit: Straight or a 12 o'clock exit

Approach and enter the roundabout in the left hand lane (or keep left) but do not signal until you have passed the first exit, then signal a left turn and leave at the next exit

## $3^{\text {rd }}$ \& Subsequent Exits or any exit after 12 o'clock

Approach and enter the roundabout on the right hand lane signalling a right turn. Keep in the right hand lane (i.e. next centre of the road). As you pass the exit before the one you intend to leave by signal a left turn, and when your way is clear, move to the left hand lane and leave at the desired exit.


## Entrance to Motorway

Special regulations apply to all motorway, these include:

- No Learner Drivers
- No Invalid Carriages
- No Cyclists (pedal)
- No Pedestrians
- No Animals
- No Reversing
- No U-Turns
- No Motorcycles under 50cc
- No vehicles large or small not capable of reaching a max. speed of 50kph
- No Stopping

Also on a motorway you cannot, stop, reverse or make a U-turn. No right turn off a motorway, no cross roads on a motorway. You must ensure you have enough fuel and water to complete your journey.

The same restrictions do not apply on a dual carriageway.

## Regulatory Signs



Stop Sign


Turn Right Only


Keep Right


No Right Turn


Special Area Speed Limit


Parking Permitted at Times Shown


Yield Sign


Turn Left Ahead


Pass Either Side

'U'-Turn Not Permitted


National Speed Limit


Parking Prohibited


Straight Ahead Only


Turn Right Ahead


No Entry


Special Area Speed Limit


National Speed Limit


Clearway - No Stopping or Parking during Times Shown


Turn Left Only


Keep Left


No Left Turn


National Speed Limit


National Speed Limit


Disc Parking Operates During Times Shown


Taxi Rank


Pedestrianised Street Traffic Prohibited during the Hours Shown


Height Restriction

'With-Flow' Bus Lane Ahead Nearside


Contra-Flow Bus Lane Ahead


Start of Cycle Track


Weight Restriction


No Parking of Vehicles Exceeding Weight Shown

'With-Flow' Bus Lane


Buses Will Approach From Right


Shared Cycle / Pedestrian Track


Vehicle Weight Restriction


No Overtaking


Bus Lane Ahead Offside


Buses Will Approach
From Left


Axle Weight Restriction


Bus Lane during the Hours Indicated

## Warning Signs



Cross Roads


T-Junction Roads of Equal Importance


Crossroads with Dual Carriageway


Roundabout Ahead


Series of Dangerous Corners Ahead


Road Narrows Ahead


Y - Junction


Y - Junction Roads of Equal Importance


T-Junction with Dual Carriageway


Mini Roundabout Ahead


Series of Dangerous Bends


Road Divides Ahead


Major Road Ahead


Merging Traffic


Dangerous Corner to Left


Sharp Change of Direction Ahead


Dual Carriageway Ends


Crossroads of Equal Importance


Junction Ahead with a Road of Major Importance


Merging - Diverging Traffic


Dangerous Bend Ahead


Road Narrows on one side


Two-way Traffic


Steep Descent Ahead


Level Crossing Ahead Unguarded by Gates or Barriers


Automatic Level Crossing Ahead


Slippery Stretch of Road Ahead


School Children Crossing Ahead


Possibility of Sheep Ahead


Sharp Ascent Ahead


Level Crossing Ahead Guarded by Gates or Barriers


Sharp Rise in Road Ahead
e.g. Hump Back Bridge


Quay, Canal or River Ahead without Barrier


Children Crossing


Possibility of Deer or Wild Animals Ahead


Restricted Headroom Up Ahead


Level Crossing Ahead with Lights and Barriers


Sharp Depression Ahead


Traffic Signals Ahead


Possibility of Riders on Horseback Ahead


Crosswinds


Overhead Electric Cables


Stop When Red Lights Show


Series of Bumps or Hollows Ahead


School Children Crossing Ahead


Possibility of Cattle or Farm Animals Ahead


Pedestrian Crossing Ahead


Tunnel Ahead


Danger of Falling Rocks Ahead


Possibility of Low Flying Aircraft


Drive on the Left-Hand Side

## Motorway Signs



Motorway Ahead


Entry to Motorway


Two Hundred Metres to Next Exit

Motorway Ends 500m Ahead


One Hundred Metres to Next Exit



End of Motorway


Three Hundred Metres to Next Exit

Road Signs


Road Works Ahead


Road Narrows from Right Hand Side


Two-way Traffic


Right Hand Lane Closed Ahead


Pedestrians Keep Right


Crossover to Left Hand Side


Uneven Surface Ahead


Road Narrows Ahead


Left Hand Lane Closed Ahead


Left Hand Lane Closed Ahead


Proceed with Caution


Crossover to Right Hand Side


Slippery Stretch of Road Ahead


Manual Traffic Control Ahead


Left Hand Lane Closed Ahead


Middle Hand Lane Closed Ahead


Stop


Traffic Flow Divides at Road Works


Road Narrows from Left Hand Side


Traffic Lights Ahead


Middle Lane Closed Ahead

'T'-junction Ahead


End of Detour


End of Separation at Road Works

## Website

The Hynes Quinn website contains a wealth of information for our customers, including:

- Copies of all our Information Kits
- Training Videos
- Further reference material
- Useful Links

To access the hidden features detailed above, click on the car's number plate as shown below.


So visit the Hynes Quinn website today

## www.hynequinn.com



