



Haulage Operations

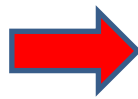
PAPER TWO

Examination for
Certificate of Professional Competence in Haulage Operations

Date: 4th December 2019 Time: 14:00 to 16:30

**PLEASE ENSURE THAT YOUR EXAMINATION NUMBER IS FILLED IN BELOW.
WITHOUT YOUR EXAMINATION NUMBER YOUR PAPER CANNOT BE CORRECTED.
YOUR EXAMINATION NUMBER HAS BEEN ADVISED TO YOU IN WRITING AND IS
NOT YOUR SEAT NUMBER. PLEASE DO NOT SIGN YOUR NAME ON THE EXAM
BOOKLET.**

EXAMINATION NUMBER



Please Note:

Section A contains 17 questions. Please answer **all** these questions.
The format is as follows:

- 6 multiple choice questions of 5 Marks each, &**
- 11 short questions of 20 Marks each.**

Section B contains 4 questions,

- **Question 1 is compulsory carries 100 Marks**
- ***One further question from a choice of Three must be attempted. Each question carries 50 Marks.***

THE EXAMINATION PAPER IS COMPLETE, AND NO ADDITIONAL PAGES SHOULD BE APPENDED. SPACES ARE ALLOWED IN THE EXAMINATION PAPER FOR WRITTEN ANSWERS TO BE PROVIDED FOR EACH QUESTION.

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Paper number	Total Marks	% achieved	Result
Paper One			
Paper Two			
Overall Result			

H2

Section A

Q1. The furthest a load on a vehicle or rearmost trailer can project to the rear and beyond the rearmost point of the vehicle or trailer is how many metres.?

(Tick the correct answer at A, B, C, D)

- | | |
|-------------------------------------|-----------------------------------|
| A 3 M <input type="checkbox"/> | B 2.75 M <input type="checkbox"/> |
| C 2.5 M <input type="checkbox"/> | D 2.0 M <input type="checkbox"/> |

(5 Marks)

Q2 In accordance with the European Communities (Installation and use of speed limitation devices in motor-vehicles) Regulations 2005, all goods vehicles with a maximum mass exceeding 3.5 tonnes first registered on and after 1st January 2005 shall be fitted with a speed limitation device to be set with the maximum speed of which of the following speeds?

Tick the correct answer at A, B, C, or D.

- | | |
|---|---|
| A 100 kilometers per hour <input type="checkbox"/> | B 120 kilometers per hour <input type="checkbox"/> |
| C 90 kilometers per hour <input type="checkbox"/> | D 95 kilometers per hour <input type="checkbox"/> |

(5 Marks)

Q3 How long would an employee have to make a claim for unfair dismissal in normal circumstances?

Tick the correct answer at A, B, C, or D

- | | |
|---|---|
| A 4 Months <input type="checkbox"/> | C 6 Months <input type="checkbox"/> |
| C 36 Months <input type="checkbox"/> | D 24 Months <input type="checkbox"/> |

(5 Marks)

Q4 The Road Traffic Acts 1961 to 2005 (Bridge Strikes) set out responsibilities and liability of transport undertakings in relation to bridge strikes. A person who receives a summary conviction for contravening the above Acts can receive a fine not exceeding which of the amounts below?

Tick the correct answer at A, B, C, or D

- | | | | |
|-----------|--------------------------|-----------|--------------------------|
| A €1,000 | <input type="checkbox"/> | B €5,000 | <input type="checkbox"/> |
| C €10,000 | <input type="checkbox"/> | D €50,000 | <input type="checkbox"/> |

(5 Marks)

Q5 What is the Maximum authorised weight limit for a driver of a Category C1 driving licence?

Tick the correct answer at A, B, C, or D

- | | | | |
|--------------|--------------------------|--------------|--------------------------|
| A 3,500 Kgs | <input type="checkbox"/> | B 7,500 Kgs | <input type="checkbox"/> |
| C 12,000 Kgs | <input type="checkbox"/> | D 17,000 Kgs | <input type="checkbox"/> |

(5 Marks)

Q6 What is the on the spot fine for smoking in the vicinity of a tanker when handling dangerous goods?

- | | | | |
|--------|--------------------------|---------|--------------------------|
| A €100 | <input type="checkbox"/> | B €250 | <input type="checkbox"/> |
| C €500 | <input type="checkbox"/> | D €1000 | <input type="checkbox"/> |

(5 Marks)

[Please turn over]

Q10 When the WRC Tribunal finds that a claimant has been unfairly dismissed, it will grant one of three remedies.

List the three remedies with a short explanation of each.

(20 Marks)

Q11 Under Article 22 of the C.M.R. an obligation is imposed on the sender, who hands goods of a dangerous nature to the carrier, to inform such carrier of the exact nature of the danger and indicate if necessary, the precautions to be taken with regard to goods of a dangerous nature. In a case where this does not happen, and the carrier is not informed:

a) What may the carrier do?

(10 Marks)

b) Name two bodies that the carrier should give notice to.

(10 Marks)

Q12 In 2005 the European Union introduced Regulation no. 1 of 2005 on the protection of animals during transport and related operations. This Regulation was implemented in Ireland by SI 676 of 2006 – European Communities (Animal Transport and Control Post) Regulations 2006. The Regulation applies to any person who transports animals in connection with an economic activity.

a) What does the regulation provide for?

(10 Marks)

b) Give two examples where the regulations do not apply to the transport of animals.

(10 Marks)

(Total 20 Marks)

[Please turn over]

Q13 Explain what is meant by the Split and Full use of the SAD document.

(20 Marks)

Q14 A driver is required to check and monitor his/her vehicle throughout the day and to submit the necessary reports. When starting work a driver carries out a daily routine check on the vehicle he/she is taking over.

a) Please list seven important items to be included in a daily routine check.

(14 Marks)

Section B

**Candidates must attempt Question 1 and one from the following
three**

PLEASE NOTE - Question No. 1 is compulsory

**(Please use a separate page for each answer. You may also use the
back of each page).**

Q. 1 Compulsory

You have been appointed as transport manager of a transport company (TransCon) based in Dublin, close to Dublin Port. The company is mainly involved in the delivery of 20 foot and 40-foot containers from Dublin Port to a variety of customers around the country. The company has a fleet of 25 tractor units and trailers.

The work involves picking up a full container at one of the container terminals at the port, driving to the customer, dropping the full container, picking up an empty container at the same customer and dropping it back to Dublin Port. They can usually drop off an empty and collect a full container at the same time.

You have been asked to review the rates for one specific route with a view to developing a standard system for reviewing all the rates. The customer is based in Listowel which is 280 kilometres from Dublin.

Allow one hour for loading at Dublin Port and one hour for dropping the full container and collecting the empty container at Listowel. The driver will drop the empty container back at TransCons depot.

Factor into the journey appropriate time for prestart checks and breaks to ensure the journey is carried out in a legally compliant and efficient manner.

Costs

Driver – paid €16 per hour and guaranteed 45 hours per week. Receives 4 weeks annual holidays and is paid for bank holidays. Holiday and bank holiday pay is at 8 hours per day, each driver receives 4 weeks annual holidays and 10 bank holidays

The employer pays PRSI at 11.5%. Add in €1,200 per annum to cover training, uniforms, telephone allowance and sundries

Vehicle

The lease cost on the tractor unit including maintenance is €25,000 per annum. The lease cost for the trailer, again including maintenance is €5,000 per annum. Add Insurance at €5,500 per annum, road tax is €900 per annum, vehicle washing €1,200 per annum and other or sundry €800 per annum

Overheads

The total annual cost of overheads including office staff, transport manager, insurance, depot rental, audit fees and other fixed costs is €150,000

Variable cost

The average fuel consumption is 3.1 kms per litre and the current cost of fuel is €1.10 per litre. Tyres on tractors and trailers are estimated at €0.06 per kilometer

- a) Calculate
 - i. Cost per hour for the driver
 - ii. Cost per hour for the tractor and trailer
 - iii. Cost per hour for overheads
 - iv. Cost per kilometer for fuel and tyres
- b) Using the above costs calculate the cost of the round-trip Dublin – Listowel – Dublin.
Include a suitable gross profit margin
- c) You incur a delay of two hours at the customer's premises which the customer has agreed to pay for. How much would you charge the customer?
- d) Calculate the percentage of the trip rate for vehicle, labour, running, overheads and profit
- e) What would be the impact of the following?
 - i. Fuel price increases by 20%
 - ii. Labour cost increase of 10%

(Total 100 Marks)

**Please attempt one, and only one of the following questions.
Marks will not be allotted to more than one answer**

Q2 Employment Permits.

- a) Outline what is provided for in the Employment Permits Act 2016 and Employment Permits (Amendment) Act 2014 and explain how you might employ a non- EEA national.

(35 Marks)

- b) Outline the objective and the working of the Trusted Partner Initiative.

(15 Marks)

(Total 50 Marks)

Q3 Health and Safety within the Workplace

Every employer shall ensure, so far as is reasonably practicable, the safety, health and welfare at work of his or her employees.

- a) Give details of six general duties of an employer.

(30 Marks)

- b) Outline what is a risk assessment.

(10 Marks)

- c) Explain why a Safety Statement should be prepared.

(10 Marks)

(Total 50 Marks)

Q. 4 Vehicle weights and dimensions

- a) Set out the maximum gross vehicle weight and maximum length for one of each of the following categories of vehicle:

- Rigid
- Articulated Vehicle
- Rigid and drawbar trailer combination

- b) Give one example for each category of factors which might restrict and reduce the maximum gross vehicle weight and illustrate what the effect would be.

- c) Which vehicle configuration will carry the greatest number of pallets – assume that the maximum gross vehicle weight will not be the limiting factor?

(Total 50 Marks)

