

## Level 3 Certificate of Professional Competence for Transport Managers (Passenger Transport) Unit P2

05678

**Friday 3 March 2017**  
**1.00 PM – 3.15 PM**

Time Allowed: 2 hours 15 minutes

**You must have:**

- the case study

**You may use:**

- a calculator
- a dictionary
- any written materials

<b>Centre name</b>			
<b>Centre number</b>		<b>Candidate number</b>	
<b>First name</b>		<b>Last name</b>	

### INSTRUCTIONS

- Fill in all the boxes above. Please write clearly and in capital letters.
- Use black or blue ink.
- Answer **ALL** the questions.
- Write your answer to each question in the space provided.
- If additional space is required, you should use the lined page(s) at the end of this booklet.
- Additional paper may be used if required but you must clearly show your candidate number, centre number and question number(s).
- Do all calculations and rough work in this booklet. Cross out any work you do not wish to have marked.

### INFORMATION

- The total mark for this paper is **60**.
- The number of marks is given in brackets at the end of each question or part question.
- This document consists of **12** pages. Any blank pages are indicated.
- Assessment material has been prepared in line with legislation current at the time of production. Any subsequent changes to legislation have not been taken into account, however, responses that refer to amended legislation will be credited.

FOR EXAMINERS' USE ONLY			
1		4	
2		5	
3		6	
<b>TOTAL =</b>			

1 Graham Allan will complete his morning work on the Education Centre contract before immediately driving to Elterwater to take over the RSA coach for the day excursion.

(a) Complete the schedule below, to show Graham's activities from when he starts work until he arrives at Elterwater to take over the RSA coach.

Activity	Start Time	Finish Time
Yard duties	06.00	07.00
Travel to Jane	07.00	07.30

[4]







- 4 Stephen has asked you to allocate buses to the two new local services (105 and 106) and to work out how many extra passengers would be needed to make town service 107 profitable.

**Note:**

You MUST show all of your workings.

- (a) Stephen has asked you to plan the bus requirement for the two new local bus services described in the case study.

- (i) Calculate the minimum number of buses required to operate route 105 each day.

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[2]

- (ii) Calculate the minimum number of buses required to operate route 106 each day.

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[2]

- (iii) Calculate the minimum number of buses required to operate services 105 and 106, if the two services were interworked.

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[1]

(b) JCS operates service 107 in Lancaster, as described in the case study.

Calculate the average number of additional passengers required each day for service 107 to make a profit of 10% of the daily cost.

You MUST show all of your workings.

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[3]

5 Stephen has asked you to consider whether the Whitehaven/Kendal section of the intercity route could generate additional revenue if passengers had the option of travelling between intermediate stops on this section.

(a) In relation to the proposal to allow passengers to board and alight at the intermediate stops,

Describe the application that JSC must make to the Traffic Commissioner before it can offer this service and identify the form to be used.

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(b) Outline **SEVEN** items of information relating to the bus service itself that will have to be given in the application.

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- 6 After accepting your new role as deputy Transport Manager for JCS, you requested a copy of their published accounts.

From the information provided in the case study calculate the financial indicators below as at 31 January 2017.

**Notes:** Only answers to TWO decimal places will be accepted, always rounded down.

- (a) Calculate JSC's Capital employed.

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- (b) Calculate JSC's Return on Capital Employed.

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..... [1]

- (c) Calculate JSC's Working Capital.

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- (d) Calculate JSC's Working Capital Ratio.

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**END OF QUESTION PAPER**





