

MARK SCHEME – ROAD HAULAGE CASE STUDY

QUESTION 1					
ANSWER				MARKS	NOTES
Start time	Finish time	Activity description	Minutes		
07.00	07.15	Checks	15	1	<p>One mark for each line with all three columns correct.</p> <p>Stop marking if schedule becomes illegal</p> <p>Unnecessary activities result in no mark for following line. Incorrectly split driving periods to collection site to gain one mark, if correct (3.5 hours) in total. No mark for a 45-minute break at 13.00</p> <p>Adjust later lines for errors, including the last line BUT THE 1ST UNLOAD MUST BE AT 10.15 TO EARN THAT MARK.</p> <p>No marks for lines that do not correctly identify loading or unloading (accept collect/deliver but NOT 'other work')</p>
07.15	08.15	Load	60	1	
08.15	10.15	Drive delivery site	120	1	
10.15	11.15	Unload	60	1	
11.15	13.00	Drive collection site	105	1	
13.00	13.15	Break	15	1	
13.15	14.00	Drive collection site	45	1	
14.00	14.30	Break	30	1	
14.30	15.30	Drive collection site	60	1	
15.30	16.00	Load	30	1	
16.00	18.15	Drive operating centre (or base)	135	1	
18.15	18.45	Unload	30	1	
TOTAL MARKS				12	

QUESTION 2

ANSWER		MARKS	NOTES
Depreciation	$90,000 \times 12\% (10,800) / 240 \times 2$	90	1+1*
Standing costs	125×2	250	1
Driver wages	140×2	280	1
Tyres	$2,000 / 50,000(\pounds 0.04) \times 795\text{km}$	31.80	1+1*
Fuel	$1.08 / 9 = \pounds 0.12 \times 795 \text{ km}$ OR $795 / 9 = 88.333 \times \pounds 1.08$	95.40	1+1*
Maintenance	$\pounds 0.1 \times 795\text{km}$	79.50	1
Total cost		826.70	1
Mark-up OR Profit	$826.70 \times 20\%$	165.34#	1
Charge OR price		992.04	1
TOTAL MARKS			12

One mark for each bold number (costs MUST be named) PLUS one mark for credible, correct workings for depreciation, tyres and fuel (*)

#OR candidate's total cost times 20%. OR mark for showing cost total times 1.2 (120%)

OR candidate's cost total + candidate's mark-up BUT only if that mark-up has been correctly calculated from the candidate's total cost.

QUESTION 3		
ANSWER	MARKS	NOTES
(a)		
(i) 110,000 – 100,000	10,000	1
(ii) 110,000 / 100,000	1.1	1+1
(iii) (110,000-23,000) / 100,000	0.87 : 1	1+1
(iv) 1,010,000+200,000 OR 1,000,000+110,000-100,000	1,010,000	1
(b) Employers liability Motor OR Vehicle OR RTA OR Road Traffic Act	2	One mark for each correct answer PLUS one mark for credible correct calculations for parts ii and iii The ':1' IS required to earn the 2 nd mark Mark first TWO answers only. One mark for each correct item.
(c) Public liability Fidelity Guarantee OR cash in transit Goods in Transit CMR Buildings OR premises Contents Motor OR vehicle <u>fire & theft</u> Comprehensive motor OR vehicle Business interruption OR consequential loss Professional indemnity	2	Mark first TWO answers only. One mark for each correct item.
TOTAL MARKS	10	

QUESTION 4		
ANSWER	MARKS	NOTES
Apply for new operating centre Place advert Submit advert Apply interim direction OR Submit INT4 Submit financial information Submit plan OR sketch of site Pay fee	4	Mark first FOUR answers only. Answers MUST describe <u>actions</u> related to operator licensing, clearly enough to be unambiguous.
TOTAL MARKS	4	

QUESTION 5		
ANSWER	MARKS	NOTES
<p>(a) Each round trip is 1 hour driving 2 hours each return drive to factory (maximum 10hrs -2hrs= 8hrs), therefore 8 journeys (8hrs divided by 1 hour)</p>	1+1+1	1 mark for 8 journeys ; 1 mark for 10 hours maximum ; 1 mark for 1 hour round trip
<p>(b) 8 journeys x 18 boxes = 144 per day. 810 / 144 = 5.625 = 6 days</p>	1+1	
<p>(c) Checks per day: 15 mins OR 0.25hrs Driving per day: 10hrs [no mark for this line – earned in part (a) Breaks per day 1.5hrs OR 90 mins (2 x 45 mins driving breaks) O/W per day: 1'20" OR 80 mins (5mins + 5 mins = 10 mins x 8) Total shift: 13'5" OR 13¼hrs OR 13hrs 5mins OR 785mins</p> <p>24hrs – 13'5" = 10 hours 55 mins OR 10.92 hours</p>	5	1 mark for each correct element (except for the 10 hours driving). If no mark earned for 10hrs in part (a), award that mark here.
<p>(d) 10 hours (OR more than 9 hours) driving only twice a week, therefore two drivers for 2 days each + one driver for fifth sixth days. THREE drivers</p>	1+1	One mark for credible outlined explanation that mentions teh ; 1 mark for 3 drivers
TOTAL MARKS	12	

QUESTION 6		
ANSWER	MARKS	NOTES
OFFENCE	COMMITTED BY	
External Transport Manager is responsible for too many vehicles (51). Nb <u>NOT</u> too many operators	'Me' OR 'Consultant' OR 'Transport Manager'	<p>One mark for each correct offence/breach, identified against a correct person or company. Accept descriptions that are clear & unambiguous (we are looking for understanding WHY an action is an offence/breach, not an essay on the fine points). The bold words suggest the minimum requirement, but clear alternative wordings should be accepted.</p> <p>Mark first 10 responses only, in any order (Two breaches [right or wrong] in one box/answer count as TWO responses).</p> <p>There are 17 possible correct answers.</p>
Exceeding authorised trailers	Alpha	
Delivering to Spain with a National operator licence	Alpha	
Exceeding authorised vehicles in Western TA	Alpha	
Exceeding 90-hour fortnightly driving limit	Bravo OR Alan	
Taking reduced rest four times	Bravo OR Alan	
Exceeding 9 hours driving more than twice	Bravo OR Alan	
Not notifying Traffic Commissioner new director	Bravo	
Using unauthorised operating centre	Charlie	
Carrying waste without waste carrier registration	Charlie	
Insufficient funds for financial standing	Charlie	
Driving without a card <u>more than 15 days</u>	Brenda OR Charlie	
Not providing OR carrying <u>certified</u> copy of UK licence for the Community	Charlie	
Not providing OR carrying <u>Instructions in Writing</u>	Charlie	
Transporting sheep without standard operator licence OR with Restricted o licence	Delta	
Not cleaning vehicle <u>before</u> loading sheep	Delta	
No operator licence (for van & trailer combination)	Echo	
TOTAL MARKS	10	