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Examination Details:

Paper Title:	March 2023 Series P2 (Passenger Transport) Case Study
Paper No:	CPCP2323
Date of Examination:	10th March 2023 13:00 – 15:15

Time allowed: 2 hours 15 minutes**You must have:**

- This case study.
- A question/answer booklet.

You may use:

- A calculator.
- A dictionary.
- Any permitted written materials.

Instructions:

- Use the case study information to answer all the questions.
- Write your answer to each question in the space provided in the question/answer booklet. If you need extra space, use the lined page(s) at the end of the question/answer booklet. The question numbers must be clearly shown.
- Additional paper may be used if required but you must clearly show your name, date of birth and question number(s).
- Answer all the questions.

Information:

- The total mark for this paper is 60.
- The marks for each question are shown in brackets () in the question/answer booklet.
- This document has 4 pages.
- 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.
- Covid-19: Candidates will not be questioned on any temporary rules introduced due to Covid-19. Answers that reflect such measures will not be credited.

Background

Treblig Travel Ltd. (TT) holds a Standard International operator licence authorising 30 vehicles at one of its operating centres, the bus station in Truro (Cornwall) in the Western Traffic Area. The landlords of the bus station are Cornwall County Council. You are one of two transport managers named on the licence and you report directly to Denzil, the managing director. The operator licence was last reviewed in June 2018. All vehicle maintenance is done in TT's own workshop, on a freehold site outside the town centre, also listed on its operator licence as a second operating centre. TT currently operates 5 buses on local service routes, 5 buses and coaches on tendered school contract routes for Cornwall County Council and 5 coaches on mixed private hire and tour work.

Company Policies

All drivers are scheduled for 15 minutes at the beginning of every shift in order to carry out a walkaround check.

Drivers must always take regular daily rest periods. Reduced and split daily rests are not permitted.

Waiting time must always be scheduled as a Period of Availability unless a break is legally required.

TT apply a 10% markup on all costs when preparing quotations and tender submissions.

TT apportion only 60% of daily standing costs and driver wages to school contract operations when preparing tender responses.

Current and potential future work

TT's major clients are currently Cornwall County Council (Cornwall CC) for tendered local services and school contracts and The Royal Cornwall Hospital (RCH) at Triliske for whom TT provide both staff and patient transport.

Cornwall County Council

Cornwall CC have recently published tender documents for the following school contract runs:

Route T8 – to Truro Boys School. 41 seat bus required

Route length am – 48km

pm – 52km

First pick up and last drop off at Kenwyn Church.

Route T9 – to Truro Boys School. 70 seat bus required

Route length am 32km

pm 38km

First pick up and last drop off at St Kea Church Hall.

You have measured the distance from TT's operating centre at the bus station to Kenwyn Church to be 12km and to St Kea Church Hall to be 15km. Buses on these runs will depart from and return to the operating centre at the beginning and end of every day and will always return to the operating centre after dropping at the school each morning. The distance from the operating centre to Truro Boys School is 8km.

Cornwall County Council have also published details of 3 new local services for which they are inviting operators to tender. Details of the 3 routes are given below. All services will be available to the public and nowhere on any of the routes will fare stages be more than 15 miles apart.

All services depart on the hour and thereafter at 15, 30 and 45 minutes past every hour.

Route TT50 (Round trip route)

Fare Stage	Journey Time (minutes)	Layover Time (minutes)
Bus Station		10
to	3	
Cathedral		0
to	5	
Retail Park		5
to	8	
Bowling Alley		0
to	8	
Retail Park		5
to	5	
Cathedral		0
to	3	
Bus Station		

Route TT90 (Return route is outward route reversed)

Fare Stage	Journey Time (minutes)	Layover Time (minutes)
Bus Station		10
to	5	
Sports Centre		0
to	5	
Medical Centre		5
to	5	
Hospital		20

Route TT99 (Return route is outward route reversed)

Fare Stage	Journey Time (minutes)	Layover Time (minutes)
Bus Station		10
to	6	
Magistrates Court		0
to	4	
Cattle Market		10
to	5	
Library		0
to	5	
Station		15

All buses on these local services will operate for 12 hours each day (including time allowed for drivers to complete their walkaround check), 7 days a week. Drivers all work 9-hour shifts, 5 days a week and all take 4 weeks holiday every year.

Royal Cornwall Hospital (RCH)

Rachel, the chairperson of the Board of Trustees of RCH has set up a visit to a number of hospitals in Devon and Cornwall for the trustees and has asked for advice about timings. She has given you the addresses of the hospitals to be visited and indicated that the trustees will spend 2½ hours at each hospital, during which time the driver will not be required. She has also confirmed that the group can have an overnight stay at any one of the hospitals if it is not possible to complete the visits in one day. She does however, wish to extend the days to the maximum possible duration, within legal limits and company policies. Any required overnight stay, can however, only be taken at one of the hospitals. The driver can be accommodated at a hospital with the group. Rachel has asked that they depart from RCH at the latest possible time, but they must arrive at Torbay Hospital at 16.00hrs.

If an overnight stay is required at any point, it must be for the shortest possible duration.

You have prepared the following table showing distances between each of the places to be visited.

RCH Truro is 10km from TT's operating centre.

From	To	Distance (km)
RCH Truro	Bodmin Hospital	45
Bodmin Hospital	Derriford Hospital Plymouth	55
Derriford Hospital Plymouth	Torbay Hospital	55
Torbay Hospital	Royal Devon and Exeter Hospital	40
Royal Devon and Exeter Hospital	North Devon Hospital	70
North Devon Hospital	RCH Truro	150

The coach will average 50kph throughout the round trip, including an allowance for passenger boarding and alighting times.

Operating and Financial Data for TT's 41-seat bus.

	41-seat bus
Purchase Price (Excluding tyres)	£145,000
Expected Residual value after 10 years	£35,000
Annual standing cost (excluding depreciation)	£21,000
Number of days in use per annum	250
Number of tyres per vehicle	6
Cost per tyre	£350
Expected tyre life (km)	70,000
Fuel consumption	7kpl
Maintenance cost per km	£0.25
Driver employment cost per day	£150
Fuel cost per litre	£1.20