S5 English Language Practice Paper (Set 1): Reading Comprehension with Budget and Survey Data, Grammar and Tense, Listening Note-taking Figures, Summary and Writing Planning, Electricity Cost Analysis (100 marks)

S5 English Language | Time: 75 minutes | Total: 100 marks | 24 questions

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Section A: Reading Comprehension - School Trip Budget (16 marks)

Read the data, show your working, and give money amounts to the nearest dollar or two decimal places.

1. A school trip has 42 students and 3 teachers. The ferry costs $45 per person for everyone. Find the total ferry cost.

People = 42 + 3 = 45; total = 45 x 45 = $2025.

2. Museum entry is $30 per student and free for teachers. Find the total entry cost.

Entry cost = 42 x 30 = $1260.

3. Lunch costs $58 per person and insurance $12 per person for all 45 people. Find the combined cost of lunch and insurance.

Lunch = 45 x 58 = $2610; insurance = 45 x 12 = $540; total = $3150.

4. The coach hire is $6,800. Find the total cost of the trip and the average cost per student (to 2 decimal places).

Total = 6800 + 2025 + 1260 + 2610 + 540 = $13235; per student = 13235 / 42 = $315.12.

Section B: Reading Comprehension - Library Survey Data (16 marks)

A survey records the monthly visits of 8 borrowers: 2, 3, 3, 4, 4, 5, 6, 9.

5. Find the mean number of visits per month.

Mean = (2+3+3+4+4+5+6+9) / 8 = 36 / 8 = 4.5 visits.

6. Find the median.

In order: 2, 3, 3, 4, 4, 5, 6, 9; median = (4 + 4) / 2 = 4 visits.

7. Find the range (maximum minus minimum).

Range = 9 - 2 = 7 visits.

8. Find the percentage of borrowers who visited 5 times or more per month.

Those with 5 or more: 5, 6, 9, i.e. 3 people; percentage = 3 / 8 x 100% = 37.5%.

Section C: Grammar and Tense (16 marks)

Rewrite each sentence as instructed, paying attention to tense, voice and reported speech.

9. Rewrite in the present perfect: She (live) in Tai Po since 2019.

She has lived in Tai Po since 2019. (since takes the present perfect: has + past participle)

10. Change to the passive voice: The committee will announce the results tomorrow.

The results will be announced by the committee tomorrow. (will be + past participle)

11. Change to reported speech: He said, "I am busy today."

He said that he was busy that day. (tense shifts back; today becomes that day)

12. Complete with the second conditional: If I (be) you, I (take) the earlier bus.

If I were you, I would take the earlier bus. (hypothetical present: were and would + base form)

Section D: Listening Note-taking - Hiking Data (18 marks)

The recording states: start at 08:15, distance 12.5 km, average speed 3.2 km/h, total ascent 640 m.

13. Find the walking time in hours and minutes, and the arrival time.

Time = 12.5 / 3.2 = 3.906 h = 3 h 54 min; arrival = 08:15 + 3 h 54 min = 12:09.

14. Find the pace in minutes per kilometre.

Pace = 60 / 3.2 = 18.75 minutes per km.

15. Find the average gradient as a percentage (ascent divided by horizontal distance).

Gradient = 640 / 12500 x 100% = 5.12%.

16. If 65 kcal is used per km, how many kcal are burned in total, and how many 500 kcal meals is that (2 decimal places)?

Burned = 65 x 12.5 = 812.5 kcal; that is 812.5 / 500 = 1.62 meals.

Section E: Summary and Writing Planning (18 marks)

Paper requirements: a 480-word article; summary limit 120 words; 250-word composition; total 75 minutes, with 40 minutes for writing.

17. Find the summary compression ratio (summary words divided by article words, as a percentage).

Ratio = 120 / 480 x 100% = 25%.

18. If 250 words are written in 27 minutes, find the writing speed in words per minute (2 decimal places).

Speed = 250 / 27 = 9.26 words per minute.

19. Find the percentage of total paper time used for writing.

Percentage = 40 / 75 x 100% = 53.33%.

20. If the summary limit becomes 90 words, find the new compression ratio.

New ratio = 90 / 480 x 100% = 18.75%.

Section F: Data Analysis - Household Electricity (16 marks)

A home has 4 lamps of 12 W each, used 5 hours a day for 30 days; electricity costs $1.20 per kWh.

21. Find the monthly energy use of the 4 lamps in kWh.

Energy = 4 x 12 W x 5 h x 30 = 7200 Wh = 7.2 kWh.

22. Find the monthly electricity cost.

Cost = 7.2 kWh x $1.20 = $8.64.

23. If 6 W lamps are used instead, find the new monthly energy use and the percentage saving.

New energy = 4 x 6 W x 5 h x 30 = 3600 Wh = 3.6 kWh; saving = (8.64 - 4.32) / 8.64 x 100% = 50%.

24. Find the money saved over a whole year.

Annual saving = (8.64 - 4.32) x 12 = $51.84.

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