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**Question 18** (8 marks)

Use the Floor Plan on page 20 to answer Question 18.

- (a) Calculate the combined floor area of the dining and living rooms. 3

$$\begin{aligned} \text{Living room} &= 2100 + 1170 = 3270 \text{ m}^2 \\ &= 2800 + 2500 + 1200 = \del{6500} 6500 \text{ m}^2 \end{aligned}$$

$$\begin{aligned} \text{Dining room} &= 3870 \text{ m}^2 \\ &= 1200 + 1000 + 110 = 2310 \text{ m}^2 \end{aligned}$$

$$\begin{aligned} \text{Living + Dining} &= 3270 + 6500 + 3870 + 2310 \\ &= 15950 \text{ m}^2 \end{aligned}$$

**Question 18 continues on page 14**

