

DO NOT WRITE IN THIS AREA

23 (a) Simplify $7y^0$ where $y > 0$

.....
(1)

(b) Solve $\frac{2^2 \times 15^{2x} \times 3^{5x(x-3)} \times 3^{x+3} \times 4^{x-1}}{10^{2x}} = 81^3$

$x = \dots$
(5)

(Total for Question 23 is 6 marks)



P 7 2 4 7 8 A 0 1 7 2 4