

ANSWERS

Q1(c) (ii): $\bar{h}_a = 5.2 \text{ m}$ & $p_a = 52 \text{ kPa}$; $\bar{h}_b = 3.5 \text{ m}$ & $p_b = 35 \text{ kPa}$; and

$\bar{h}_c = 1.25 \text{ m}$ & $p_c = 12.5 \text{ kPa}$

1(c) (iii) = $0.0175 \text{ m}^3/\text{s/m}$

Q2 (b) 9.15 litres/s

2(c) R = 250 m

2 (d) 16 wells

Q3 (b) 9.7 years

3 (b) (iii) 56.1 years