

4C15 MEMS DESIGN
NUMERICAL ANSWERS

Q3

(a) $0.89 \mu\text{m}$

(b) 0.38 nm , 0.76×10^{-3}

(c) $2.4 \times 10^{-3} \text{ rad /s-rt-Hz}$

(d) 1.54 V

Q4

(a) 6 s

(b) (i) 5.65 s

(b) (ii) 3.97s , $198.5 \mu\text{m}$; 4.63s , $233 \mu\text{m}$