

Numerical Answers

Q.1 (c) (i) 1.6 V, (ii) 510 MHz, (iii) 399 K

Q.2 (b) (i) 30 mA, (ii) 333 K, (iv) 47 %

Q.3 (c) 0.345, (d) (i) 2.0 GHz, (ii) -22 dBm

Q.4 (c) (i) 0.245 nm, (ii) 63.3 km (attenuation limited)