

Engineering Triops Part 2A
Module 3F4. Data Transmission, May 2010 - Answers

1.

a)

b)

c)

2.

a)

b) $b_0=1$, $b_1=0.5$, $b_2=0.05$

c) BER (no equaliser) = 0.224, BER (equaliser) = 0.02

d) BER = 6.23×10^{-3}

3.

a)

b) (i) 0.1085 (ii) 0.1951 (iii) 0.3162

c)

d)

e)

4.

a)

b) 2034, 10.17MHz min so approx 11MHz practical

c)

d)