

ITS323 – Quiz 2

Name: _____

ID: _____ Mark: _____ (out of 10)

Question 1 [3 marks]

- a) Draw a plot of the following signal in the frequency domain. [2 marks]

$$s(t) = 3 \sin(200 \pi t) + \sin(600 \pi t) + \frac{3}{5} \sin(1000 \pi t)$$

- b) What is the absolute bandwidth of the signal? [1 mark]

Question 2 [1 mark]

Coaxial cable can provide higher data rates, and transmit over a larger distance than twisted pair copper cables. TRUE FALSE

