

# ITS 413 – QUIZ 1

First name: \_\_\_\_\_ Last name: \_\_\_\_\_

ID: \_\_\_\_\_

Total Marks: \_\_\_\_\_

out of 10

## Question 1 [7 marks]

- a) Plesionchronous Digital Hierarchy (PDH) provides higher data rates than Synchronous Digital Hierarchy (SDH). True      False
- b) Asynchronous Transfer Mode (ATM) is an example of a packet switching based core network technology. True      False
- c) If data rate was the primary factor, you would choose ATM (instead of Frame Relay or X.25) for a core network. True      False
- d) The advantage of coaxial cable (versus optical fibre) for Internet access is that cable networks use of the existing Public Switched Telephone Network (PSTN). True      False
- e) ADSL is a point-to-point network technology. True      False
- f) WiMax is a short range wireless communications technology. True      False
- g) Mobile telephones cannot provide data rates equivalent to ADSL. True      False

## Question 2 [1 mark]

Explain an advantage of ADSL (versus optical fibre).

## Question 3 [1 mark]

Explain an advantage of using directional antennas (versus omni-directional antennas).

## Question 4 [1 mark]

In the past, SIIT had an DSL connection between Bangkadi and Rangsit. List two alternative technologies which would be suitable for this link.