Q1: In which type of networks the infrared technology (IR) have been used? Mention three devices have used the IR technology.

Q2: Mention TWO Channel Coding techniques. Which one of them is more reliable and why? (Hint: You can use example for explanation).

Q3: The Quadrature Phase Shift Keying (QPSK) corresponds to the phase modulation with 4 symbols, what are these symbols?

Q4: Explain the differences between Multiplexing and Dublexing and what are the different types of each one?

Q5: Explain the architecture of the Wireless network, and mention three differences between the wired and wireless network.

Q6: Explain by drawing the Encapsulation and the De-capsulation concepts using the OSI layering Architecture.

Q7: What are the differences between?

a. CDMA and TDMA

b. Packet Switching and Circuit Switching

Q8: Explain in details the relationship between the reliability and the acknowledgement messages.

Q9: Using the Cyclic Redundancy Scheme Code if Data (D): 101010, Polynomial Generator (G): 1001. Determine what are the send values at the Sender and the received values at the Receiver in the case that correct data is received at the Receiver?