**DCA2104 Basics of Data Communication**

**Assignment Set-I**

1. Explain the seven layers of OSI model with suitable diagram.

2a. Differentiate between simple periodic analog signal and a composite periodic analog signal.

b. Differentiate between parallel and serial transmission.

3a. Describe line of sight transmission.

b. Describe the structure of packet switches.

**Assignment Set-II**

4. Explain wavelength division multiplexing.

5. Explain high level data link control protocol (HDLC).

6a. Explain framing and four different framing method.

b. Differentiate between switched ethernet and full duplex ethernet.

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