

[illegible]

SECTION-B

2. Write short notes on :

(a) PXI

(b) SCXI

3. Create a VI to find determinant of a 2x2 matrix.

4. Explain the use of following tabs of devices and interfaces for configuring a DAQ device

(a) System

(b) Base I/O Address

(c) DMA

5. Build a VI that uses formula node to calculate the following equations:

$$Y1 = x^3 + x^2 + 5$$

$$Y2 = (m * x) + b$$

6. Explain with a suitable example how parallel loops are controlled in Lab VIEW?

SECTION-C

7. Explain how serial communication is achieved in VI?

8. How analog input devices are configured for specified set of channels with DAQ in VI. Explain by considering AI read and AI start.

9. Create a VI to read a temperature data from a thermocouple by creating a look up table of voltages and temperature equivalent.

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