Printed Pages : 2

EEE022

(Following Paper ID and Roll No. to be filled in your Answer Book)

PAPER ID : 120652

Roll No.

B. Tech.

(SEM. VI) THEORY EXAMINATION, 2014-15
INTELLIGENT INSTRUMENTATION

Time : **2** Hours]   [Total Marks : **50**

1 Attempt any four questions :   **3.5×4=14**

   (1)   What is the software based instruments?

   (2)   What are the different classifications of intelligent instrumentation?

   (3)   What is mean by LabVIEW?

   (4)   What is role of DDL in Intelligent instrumentation?

   (5)   Describe the block diagram of intelligent instrumentation.

2 Attempt any four questions :   **3×4=12**

   (1)   Describe the block diagram of DAQ system.

   (2)   What is flat structure? Explain in details.

   (3)   What is formula node? Explain with diagram.

   (4)   What is counter? Describe with all types.

   (5)   Write a program in LabVIEW for conversion of temperature in Degree centigrade to Fahrenheit.

120652]   **1**   **[Contd...**

3   Attempt any two questions :   **6×2=12**

    (1)   Describe the block diagram of Timers.

    (2)   Explain the interfacing methods of DAQ hardware.

    (3)   What is use of simple and intermediate Vis.?

4   Attempt any two questions :   **6×2=12**

    (1)   Write about the DMA.

    (2)   What is operating system, ISA.?

    (3)   Describe the PCMCIA Buses.

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