

Printed Pages : 2



EEE022

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

**PAPER ID : 120652**

Roll No.

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**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.

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[ 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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