Code :R7411007

| | **R7** |

IV B.Tech I Semester(R07) Supplementary Examinations, May/June 2011
VIRTUAL INSTRUMENTATION
(Electronics & Instrumentation Engineering)

Time: 3 hours   Max Marks: 80

Answer any FIVE questions
All questions carry equal marks
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1. (a) Differentiate between conventional data flow programming and graphical data flow programming.

   (b) Write short notes on Active X-programming.

2. (a) Create VI and SubVI to convert temperature from ^{0}C to ^{0}F with necessary diagrams. (Front panel and block diagram)

   (b) Explain loops available in VI.

3. (a) Explain any one method of analog to digital conversion with neat diagram.

   (b) What are the requirements for hardware installation of VI.

4. (a) Explain in detail about RS232C.

   (b) Compare RS232c and RS485.

5. (a) Explain in detail about USB.

   (b) Explain about PCI bus interface.

6. (a) Write short notes on VISA attributes.

   (b) Explain about IVI drivers.

7. Explain with respect to VI development of process database management system in detail.

8. Explain about motion control using VI.

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