

Code.No: RR411002

RR

SET-1

IV B.TECH – I SEM EXAMINATIONS, NOVEMBER - 2010
PC BASED INSTRUMENTATION
(COMMON TO EIE, ICE)

Time: 3hours**Max.Marks:80**

Answer any FIVE questions
All questions carry equal marks

- - -

1. Explain in detail the following:
 - a) Signal conditioning.
 - b) Cache memory. [8+8]

2. Write short notes on:
 - a) Self test of O.S.
 - b) Initialization of sub systems. [8+8]

3. Explain in detail the Booting process in a PC. [16]

4. a) Explain the Address bus logic with a neat diagram.
b) Write a note on I/O slot signals. [8+8]

5. With neat diagrams explain ISA bus protocol. [16]

6. Write in detail with pin diagrams the serial and parallel ports in a PC. [16]

7. Explain the use of port stand and IRQS when adding additional cards to PC. [16]

8. Write in detail about installable and executable device drives. [16]

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SET-2

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Time: 3hours**Max.Marks:80**

Answer any FIVE questions
All questions carry equal marks

- - -

1. Explain in detail the Booting process in a PC. [16]
2. a) Explain the Address bus logic with a neat diagram.
b) Write a note on I/O slot signals. [8+8]
3. With neat diagrams explain ISA bus protocol. [16]
4. Write in detail with pin diagrams the serial and parallel ports in a PC. [16]
5. Explain the use of port stand and IRQS when adding additional cards to PC. [16]
6. Write in detail about installable and executable device drives. [16]
7. Explain in detail the following:
a) Signal conditioning.
b) Cache memory. [8+8]
8. Write short notes on:
a) Self test of O.S.
b) Initialization of sub systems. [8+8]

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SET-3

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Time: 3hours**Max.Marks:80**

Answer any FIVE questions
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- - -

1. With neat diagrams explain ISA bus protocol. [16]
2. Write in detail with pin diagrams the serial and parallel ports in a PC. [16]
3. Explain the use of port stand and IRQS when adding additional cards to PC. [16]
4. Write in detail about installable and executable device drives. [16]
5. Explain in detail the following:
a) Signal conditioning.
b) Cache memory. [8+8]
6. Write short notes on:
a) Self test of O.S.
b) Initialization of sub systems. [8+8]
7. Explain in detail the Booting process in a PC. [16]
8. a) Explain the Address bus logic with a neat diagram.
b) Write a note on I/O slot signals. [8+8]

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SET-4

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Time: 3hours**Max.Marks:80**

Answer any FIVE questions
All questions carry equal marks

- - -

1. Explain the use of port stand and IRQS when adding additional cards to PC. [16]
2. Write in detail about installable and executable device drives. [16]
3. Explain in detail the following:
 - a) Signal conditioning.
 - b) Cache memory. [8+8]
4. Write short notes on:
 - a) Self test of O.S.
 - b) Initialization of sub systems. [8+8]
5. Explain in detail the Booting process in a PC. [16]
6. a) Explain the Address bus logic with a neat diagram.
b) Write a note on I/O slot signals. [8+8]
7. With neat diagrams explain ISA bus protocol. [16]
8. Write in detail with pin diagrams the serial and parallel ports in a PC. [16]
