

IV B.Tech I Semester Supplementary Examinations, April/May 2005
DISTRIBUTED COMPUTER CONTROL SYSTEMS
(Electronics & Control Engineering)

Time: 3 hours

Max Marks: 80

Answer any FIVE Questions
All Questions carry equal marks

1. Explain with block diagram the controlled architecture for computer control system.
2. Distinguish between the following:
 - (a) Distributed computing system and digital control system.
 - (b) Controlled architecture and distributed control architecture.
3. What are the various strategies in supervising control systems? Explain double iterative strategies.
4. Explain the following in real time systems:
 - (a) Tools
 - (b) Structured development.
5. Explain the following in mixed hardware-software system:
 - (a) Fault detection mechanism.
 - (b) Fault detection measures.
6. Explain the knowledge based process management in expert systems.
7. Explain the following in real time task management:
 - (a) Co-operations.
 - (b) Communications.
8. Write short notes on any three of the following:
 - (a) Data highway system.
 - (b) "ISOPE" in supervising control systems.
 - (c) Representation of reasoning in real time expert systems.
 - (d) Task scheduling in real time task management systems.
 - (e) Distributed control in real time task management systems.
