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Total No. of Pages : 01

Total No. of Questions : 08

M.Tech.(EPDT) (2016 & Onwards) (Sem.-2)

EMBEDDED SYSTEM DESIGN

Subject Code : MTET-201

Paper ID : [74398]

Time : 3 Hrs.

Max. Marks : 100

INSTRUCTIONS TO CANDIDATES :

1. Attempt any FIVE questions out of EIGHT questions.
2. Each question carries TWENTY marks.

- Q1. a) What is task scheduling in embedded systems?
b) Discuss about the Real time operating systems.
- Q2. a) Explain in detail the architecture of AVR 8515 microcontroller with suitable diagram.
b) Discuss about wireless protocol IrDA in detail.
- Q3. What are the challenges and issues in embedded software development?
- Q4. a) Briefly explain the design technology of Embedded System Design.
b) What are the various design challenges faced during Embedded System Design?
- Q5. a) Write a note on LCD controllers in detail.
b) Discuss about the working of Universal Asynchronous Receiver Transmitter (UART) in detail.
- Q6. a) Write a short note on selection of microprocessors.
b) Explain in detail about Application Specific Instruction Set Processors.
- Q7. Discuss about the embedded system development process.
- Q8. Write a short note on :
a) Memory Writes Ability.
b) Memory hierarchy and cache.
c) Microcontrollers.
d) Parallel protocols PCI bus.