

SYBSCIT sem IV Reg Exam March-2020  
Sub: Embedded System

Total Marks:75 Class:SYBSCIT(SEM IV)

Duration: 2hr and 30min

16/3/20

Note: All the questions are compulsory.



(1) Answer any three of the following:

(15)

- 1.Explain PLD.
- 2.Explain Classification of Embedded System.
3. Diffrence between Microprocessors and Micrcontrollers.
- 4.Explain RISC and CISC controllers.
5. Diffrence between Embedded System and General purpose computer system.
- 6.Explain operational and non-operational quality attributes.

(2) Answer any three of the following:

(15)

- 1.Explain concept of washing machine.
- 2.Explain Watchdog Timers.
- 3.Explain types of RAM and ROM.
- 4.Explain Flash memory.
- 5.Explain Data bus.
- 6.Application of Embedded System

(3) Answer any three of the following:

(15)

- 1.Explain the 8051 family.
- 2.Why external memory is important in embedded system?
- 3.Explain the working of 8051 microcontroller hardware in embedded system?
- 4.Write a short note on checksum bytes.
- 5.Write a short note on oscillator.
- 6.Explain Port 1,Port 2,Port 3 in 8051.

(4) Answer any three of the following:

(15)

- 1.What is emulator ?
2. Explain the remote debugger.
3. What is the use of interrupts in microcontroller?
- 4.What is the use of infinite loop?
- 5.Explain the structure of embedded program
- 6.Various power saving modes.

(5) Answer any three of the following:

(15)

- 1.Explain the types of operating system.
- 2.State characteristics of real time operating system.
- 3.Explain the use list file?
- 4.Explain the concept of Hex file.
- 5.What is simulator? Explain the advantage and dis-advantage of simulator.
- 6.Explain the phases of EDLC.