[ Marks:80]

2. Attempt any four from the remaining six questions. 1. a. Explain 8051 Architectural details with neat diagram. 10 b. Describe Challenges and issues in designing of embedded systems. 10 2. a. Explain compilation process in embedded system 07 b. Explain in detail RS 232 communication with connector configuration. 08 3. a. Explain interrupt service routines with suitable example. 07 b. Explain different types of addressing modes of any micro controller. 80 4. a. Explain any two Peripheral Devices in detail. 07 b. Explain handheld operating system iOS Windows Os in detail. 08 5. a. Describe Architectural details of ARM7 or DSP processor. 07 b. Explain difference between CISC and RISC. 80 6. a. Explain features of IEEE 1394. 07 b. Write a program or pseudo-code for LED blinking. 08 7. Write short notes on any Three 15 a. PCI bus b. OTP ROM c. Semaphores d. Watch Dog Timer e. USB

Please check whether you have got the right question paper.

1. Question No. 1 is compulsory.

[Time: 3 Hours]

N.B: