TEC-504   **1161**   Printed Pages : 2

Paper Code & Roll No. to be filled in your Answer Book

Roll No. ☐☐☐☐☐☐☐☐☐☐☐

B.Tech III Year V Sem.

Odd Semester Examination-2015

ADVANCE MICROPROCESSOR & MICROCONTROLLER

Time : 3 Hours]   *[Maximum Marks :100*

Answer Any Four: (4x5=20)

1. What is Microprocessor. Write the feature of 8085 microprocessors.

2. Explain the different types of Interrupts in 8086 Microprocessor..

3. Explain the needs to demultiplex the bus $AD_7 - AD_0$ and draw the 8085 bus structure.

4. What is stack & stack point. Explain with the help of example.

5. Explain the addressing modes of 8085 microprocessor.

Answer Any Four: (4x5=20)

1. Write the features of 8255 (PPI).

2. Draw the block Diagram of 8257(DMA).

3. What short note on Keyboard Display Controller.

4. What is the differences between UART and USART.

5. Explain Timer 555.

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Answer Any Two: (2x10=20)

1. Explain Pentium Processor with help of simplified diagram.

2. Write the features & draw structure of 80286 Microprocessors.

3. Write the differences between 8086, 80186, 80286, 80486.

Answer Any Two: (2x10=20)

1. What is Microcontroller. Write features of Microcontroller. What is the difference between Microprocessor & Microcontroller.

2. Draw Pin Diagram of 8051 Microcontroller. Explain the function of each pin.

3. i) What do you mean by Embedded Processors?

   ii) What is timer & Baud Rate

Answer Any Two: (2x10=20)

1. Write Short Note on :

   i) LEDs

   ii) Push Buttons

   iii) Latch Connection

   iv) Keyboard Connection

2. Explain 7-segment Display with example.

3. What is Interfacing. Explain the various interfacing of 8051. Explain any one with example.

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