TED (10) – 3070

(REVISION — 2010)

Reg. No. .....

Signature .....

DIPLOMA EXAMINATION IN ENGINEERING/TECHNOLOGY/ MANAGEMENT/COMMERCIAL PRACTICE — OCTOBER, 2017

MICROPROCESSORS

[*Time* : 3 hours

(Maximum marks : 100)

PART — A

(Maximum marks : 10)

Marks

I Answer all questions in one or two sentences. Each question carries 2 marks.

1. List the segment registers in 8086.
2. List the I/O instructions in 8086.
3. What is Keyboard debouncing ?
4. What are the general purpose registers of Pentium processor ?
5. What are the different types of DMA transfer. (5×2 = 10)

PART — B

(Maximum marks : 30)

II Answer any *five* of the following questions. Each question carries 6 marks.

1. Explain various flags in 8086.
2. Discuss the function performed by 8279.
3. Write the functions of the following instructions.

   (a) CALL (b) XLAT (c) DAA
4. Draw the internal structure of 8257.
5. Discuss the general architecture of computer systems.
6. Explain the method for developing assembly language program.
7. Explain Hyper threading technology. (5×6 = 30)

TED (10) – 3070

(REVISION — 2010)

Reg. No. .....

Signature .....

DIPLOMA EXAMINATION IN ENGINEERING/TECHNOLOGY/ MANAGEMENT/COMMERCIAL PRACTICE — OCTOBER, 2017

MICROPROCESSORS

[*Time* : 3 hours

(Maximum marks : 100)

PART — A

(Maximum marks : 10)

Marks

I Answer all questions in one or two sentences. Each question carries 2 marks.

1. List the segment registers in 8086.
2. List the I/O instructions in 8086.
3. What is Keyboard debouncing ?
4. What are the general purpose registers of Pentium processor ?
5. What are the different types of DMA transfer. (5×2 = 10)

PART — B

(Maximum marks : 30)

II Answer any *five* of the following questions. Each question carries 6 marks.

1. Explain various flags in 8086.
2. Discuss the function performed by 8279.
3. Write the functions of the following instructions.

   (a) CALL (b) XLAT (c) DAA
4. Draw the internal structure of 8257.
5. Discuss the general architecture of computer systems.
6. Explain the method for developing assembly language program.
7. Explain Hyper threading technology. (5×6 = 30)