

Day: Friday  
Date: 16/11/2018

**W-2018-2486**

Time; 10.00 AM TO 01.00 PM  
Max Marks: 60

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**N.B.:**

- 1) All questions are **COMPULSORY**.
  - 2) Figures to the right indicate **FULL** marks.
  - 3) Assume suitable data, if necessary.
  - 4) Use of non programmable calculator is **ALLOWED**.
  - 5) Draw neat and labeled diagrams **WHEREVER** necessary.
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**Q.1** Write a note on segmentation of 80386DX and compare it with 8086. (10)

**OR**

**Q.1** Describe 80386DX descriptor tables also explain code, data and stack (10) descriptors.

**Q.2** Explain flash memory, SDRAM and PRAM in detail. (10)

**OR**

**Q.2** Describe segmentation and paging in 80386DX in detail. (10)

**Q.3** Explain multiplier control unit with neat diagram. (10)

**OR**

**Q.3** What is microprogram? Write applications of microprogramming. (10)

**Q.4** Explain addressing modes of Intel Pentium processor. What are the features (10) of Pentium processor?

**OR**

**Q.4** Describe features of superscalar architecture. (10)

**Q.5** Write detailed note on SPARC architecture. (10)

**OR**

**Q.5** What is RISC? Explain RISC Processor architecture. (10)

**Q.6** Write detailed note on Bernstein conditions of parallelism. (10)

**OR**

**Q.6** Explain architectural classification of parallel processors. (10)