

Microprocessor

Written by Administrator

Saturday, 07 November 2009 05:23 -

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| Subject Code | | : |
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| IA Marks | | : 25 |
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| No. of Lecture Hrs/Week | | : 04 |
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| Exam Hours | | : 03 |
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| Total no. of Lecture Hrs. | | : 52 |
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| Exam Marks | | : 100 |
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Part - A

Unit - 1

8086 Processors: Historical background, The microprocessor-based personal computer

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Unit - 7

System Bus Structure: Basic 8086 configurations: minimum mode, maximum mode, Bus Interface: peripheral component interconnect (PCI) bus, the parallel printer interface (LPT), the universal serial bus (USB)

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7 Hours

Unit - 8

80386, 80486 And Pentium Processors: Introduction to the 80386 microprocessor, Special 80386 registers, Introduction to the 80486 microprocessor, Introduction to the Pentium microprocessor.

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7 Hours

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Text books:

1. **Microcomputer systems-The 8086 / 8088 Family** – Y.C. Liu and G. A. Gibson, 2E PHI -2003
2. **The Intel Microprocessor, Architecture, Programming and Interfacing**-Barry B. Brey, 6e, Pearson Education / PHI, 2003

Reference books:

1. **Microprocessor and Interfacing- Programming & Hardware**, Douglas hall, 2e TMH, 1991
2. **Advanced Microprocessors and Peripherals** - A.K. Ray and K.M. Bhurchandi, TMH, 2001
3. **8088 and 8086 Microprocessors - Programming, Interfacing, Software, Hardware & Applications** - Triebel and Avtar Singh, 4e, Pearson Education, 2003