

- Q.26 Define interrupt. Compare Hardware and Software interrupts.
- Q.27 Discuss math coprocessor 8082.
- Q.28 Write short note on Pentium microprocessor.
- Q.29 Compare 80386 and 80486.
- Q.30 Explain the data acquisition system by microprocessor.
- Q.31 Explain the different application of microcontroller in brief.
- Q.32 Draw the pin diagram of 8086.
- Q.33 Draw the pin diagram of 8051.
- Q.34 Discuss main features of 8051.
- Q.35 Explain the pipelining of 8086.

SECTION-D

Note: Long answer type questions. Attempt any two questions out of three questions. (2x10=20)

- Q.36 Explain different types of interrupts used in 8086.
- Q.37 Explain the Block diagram of 8086.
- Q.38 Explain the microprocessor-based weighing scale.

No. of Printed Pages : 4 105952/31054A/1064N/
Roll No. 031552B/030863

5th Sem / Branch : Power Eltx.

Subject:- Advanced Microprocessors

Time : 3Hrs.

M.M. : 100

SECTION-A

Note: Multiple choice questions. All questions are compulsory (10x1=10)

- Q.1 8086 can access up to _____ memory.
a) 512 KB b) 1 MB
c) 2 MB d) 256 KB
- Q.2 The advantage of dynamic RAM is
a) High Packing Density
b) Low Cost
c) Less power consumption
d) All of above
- Q.3 The width of address bus of 8086 is:
a) 8 b) 16
c) 20 d) 18
- Q.4 8086 was developed by intel in
a) 1978 b) 1982
c) 1980 d) 1984

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Q.5 8086 is a _____ bit microprocessor.

- a) 16
- b) 8
- c) 32
- d) 64

Q.6 8051 can handle _____ interrupt sources.

- a) 3
- b) 6
- c) 8
- d) 2

Q.7 The number of ports in 8051 are

- a) 2
- b) 4
- c) 6
- d) 8

Q.8 Microprocessor is a _____ device.

- a) Mechanical
- b) Electronic
- c) Robotic
- d) None of these

Q.9 8086 supports _____ modes of operations.

- a) 2
- b) 4
- c) 6
- d) 8

Q.10 80386 is _____ bit microprocessor.

- a) 16
- b) 32
- c) 64
- d) 8

SECTION-B

Note: Objective type questions. All questions are compulsory. (10x1=10)

Q.11 The size of address bus is _____ bit in 8086.

Q.12 Expand B.I.U.

Q.13 There are _____ number of modes in 8086.

Q.14 What is function of E.U.?

Q.15 Expand S.F.R.

Q.16 Write any one arithmetic function.

Q.17 The 80486 is _____ bit bit microprocessor.

Q.18 Define Program.

Q.19 The clock speed of 8086 is _____ MHz.

Q.20 Expand N.M.I.

SECTION-C

Note: Short answer type questions. Attempt any twelve questions out of fifteen questions. (12x5=60)

Q.21 Discuss the maximum mode of 8086 in brief.

Q.22 Explain the Data bus concept of 8086.

Q.23 Explain the instruction format in 8086.

Q.24 Discuss the string transfer program in 8086.

Q.25 Write a program for subtraction of two 16-bit numbers.