

12. How many 8282 octal latches are used in the 8086 interface to memory and I/O maps?
 (A). One (B). Two
 (C). Three (D). Four
13. The 80836 contains a total of _____ instructions.
 (A). 127 (B). 128
 (C). 129 (D). 219
14. The 80836 I/O space refers to _____ memory.
 (A). Physical (B). Logical
 (C). Virtual (D). Associate
15. How many interrupt pins are available on the 80386 ?
 (A). 1 (B). 2
 (C). 3 (D). 4
16. _____ pins are the 80836 bus arbitration signals, used for DMA transfers.
 (A). HOLD and HLDA (B). D/C# and M/IO#
 (C). ADS# and NA# (D). BS16# and READY
17. The CRT terminal stores the pattern of dot matrix in _____.
 (A). RAM (B). ROM
 (C). DRAM (D). EPROM
18. The _____ is a dot matrix printer controller.
 (A). 8275 (B). 8279
 (C). 8295 (D). 8297
19. The _____ will ignore all keys pressed until only one remains down.
 (A). N-Key rollover (B). Two Key lockout
 (C). Keyboard lock out (D). Shift key rollover
20. The Intel 8275 is a single chip (40 pin) _____.
 (A). DMA controller (B). Printer Controller
 (C). CRT Controller (D). Keyboard Display controller.

PART B (5 x 16 = 80 Marks)

21. (a). (i). Write an 8085 assembly language program to add a 16-bit number in locations 5000H(high byte) and 5001H(low byte) with another 16-bit number stored in 5002H(high byte) and 5003H(low byte). Store result in BC. (8)
- (ii). Discuss briefly about the 8085 DMA. (8)

(OR)

21. (b). Explain the 8085 Instruction Timing and Execution in detail. (16)
22. (a). Explain briefly about the 8086 Addressing Modes. (16)

(OR)

22. (b). Discuss briefly about the Program Control Instructions. (16)

ory and I/O maps?

23. (a). (i). Explain the 8086 Address and Data bus concepts. (12)

(ii). Does the 8086 have an on-chip clock generation circuit? Comment (4)

(OR)

23. (b). (i). Briefly discuss about the 8086 Programmed I/O. (12)

(ii). Write notes on 8086 EPROM (4)

24. (a). Explain the 80386 basic programming model briefly. (16)

(OR)

24. (b). Discuss about the 80386 Operation Modes. (16)

A transfers.

25. (a). Explain the Intel 8279 Keyboard display controller chip briefly. (16)

(OR)

25. (b). Illustrate briefly about the Intel's numeric Coprocessors. (16)

down.

er.

er in locations

number stored in

(8)

(8)

(16)

(16)

(16)