

Online Assessment (Even Sem/Part-I/Part-II Examinations 2019 - 2020)

Course Name - Microprocessor and Microcontroller

Course Code - BCA403(BL)

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Answer all the questions. Each question carry one mark.

9. 1.The 8051 microcontroller is of ___pin package as a _____ processor.

Mark only one oval.

- 30, 1byte
- 20, 1 byte
- 40, 8 bit
- 40, 8 byte

10. 2's complement instruction is

Mark only one oval.

- NEG
- NOT
- CMP
- CMC

11. 3. Which of the following instructions is an arithmetic instruction?

Mark only one oval.

- DIV AB
- ROR
- STI
- WAIT

12. 4. In 8086, which command is used to see the flag register status?

Mark only one oval.

- U
- A
- R
- F

13. 5. DS Stand for

Mark only one oval.

- Data segment
- Direct segment
- Declare segment
- Divide segment

14. 6. Which are the segments of 8086

Mark only one oval.

- Code segment
- data segment
- Stack segment
- All of these

15.

Mark only one oval.

- keeps the address of the next instruction to be fetched
- counts the numbers of instructions being executed on the microprocessor
- counts the number of program being executed on the microprocessor
- Option 4

16. 8. Which semiconductor technology is used for fabrication of 8085 microprocessor?

Mark only one oval.

- ECL
- NMOS
- NMOS and HMOS
- NMOS and CMOS

17. 9. If the microprocessor is capable of addressing 64 Kbytes of memory, its address bus width is

Mark only one oval.

- 16 bits
- 20 bits
- 8 bits
- None of these

18. 10. If the microprocessor is capable of addressing 1MB of memory, its address bus width is

Mark only one oval.

- 16 bits
- 20 bits
- 8 bits
- None of these

19. 11. The number of flags of 8085 microprocessor is

Mark only one oval.

6

5

4

3

20. 12. The frequency of the driving network connected between pins 1 and 2 of the 8085 microprocessor is

Mark only one oval.

twice the desired frequency

equal to the desired frequency

four times the desired frequency

None of these

21. 13. READY signal in 8085 is useful when the CPU communicates with

Mark only one oval.

a slow peripheral device

a fast peripheral device

a DMA chip

a PPI

22. 14. Which of the following register can be used to hold address of byte in the memory of 8051?

Mark only one oval.

- DPTR
- PCON
- SBUF
- PSW

23. 15. Consider the following registers: 1. Accumulator and flag register 2. B and C register 3. D and E register 4. H and L register Which of these 8-bit registers of 8085 microprocessor can be paired together to make a 16-bit register?

Mark only one oval.

- 1, 3 and 4
- 2, 3 and 4
- 1, 2 and 4
- 1, 2 and 3

24. 16. The first microprocessor was

Mark only one oval.

- 4001
- 4002
- 4003
- 4004

25. 17.The data bus of microprocessor is

Mark only one oval.

- unidirectional
- bi-directional
- unidirectional as well as bi-directional
- none of these

26. 18. The memory capacity of 8085 microprocessor is

Mark only one oval.

- 64 K
- 1 MB
- 16 MB
- 640 B

27. 19.The address bus of 8085 microprocessor is

Mark only one oval.

- 16 bit
- 20 bit
- 8 bit
- 24 bit

28. 20. ALU (Arithmetic and Logic Unit) of 8085 microprocessor consists of

Mark only one oval.

- Accumulator, temporary register, arithmetic and logic circuits
- Accumulator, arithmetic, logic circuits and five flags
- Accumulator, arithmetic and logic circuits
- Accumulator, temporary register, arithmetic, logic circuits and five flags

29. 21. In 8085 microprocessor, name the 16 bit register is called

Mark only one oval.

- Stack Pointer
- PSW
- Stack Pointer and PSW
- None of these

30. 22. Name of typical dedicated register is:

Mark only one oval.

- PC
- IR
- SP
- All of these

31. 23. The program counter in a 8085 micro-processor is a 16-bit register, because

Mark only one oval.

- It counts 16-bits at a time
- There are 16 address lines
- It facilitates the user storing 16-bit data temporarily
- It has to fetch two 8-bit data at a time

32. 24. The data bus of microprocessor is

Mark only one oval.

- unidirectional
- bi-directional
- unidirectional as well as bi-directional
- None of these

33. 25. The parity flag of 8085 microprocessor is set to HIGH when

Mark only one oval.

- The total number of 1's is odd
- The total number of 1's is even
- Both the total number of 1's is odd and the total number of 1's is even
- None of these

34. 26. What is the meaning of the instruction MVI A,05H?

Mark only one oval.

- data 05H is stored in the accumulator
- fifth bit of accumulator is set to one
- address 05H is stored in the accumulator
- none of the mentioned

35. 27. Which one of the following is non-maskable interrupt of 8085 microprocessor?

Mark only one oval.

- RST 5.5
- RST 6.5
- TRAP
- RST 5

36. 28. The accumulator is 16 bit wide of 8086 and is called

Mark only one oval.

- AX
- AH
- AL
- DL

37. 29.If the microprocessor is capable of addressing 1MB of memory, its address bus width is

Mark only one oval.

- 16 bits
- 20 bits
- 8 bits
- None of these

38. 30.The Microcontroller 8051 is

Mark only one oval.

- 8-bit processor
- 16-bit processor
- 32-bit processor
- 64-bit processor

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