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

Course Name - Microprocessor and Microcontroller
Course Code - BCA404A/BCS404A/BHN401A

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Answer all the questions. Each question carry one mark.

9. 1. The word size of 8085 microprocessor is

Mark only one oval.

8-bits

16-bits

20-bits

4-bits

10. 2. Both the ALU and control section of CPU employ which special purpose storage location?

Mark only one oval.

Buffers

Decoders

Accumulators

Registers

11. 3. Which stack is used in 8085?

Mark only one oval.

( ) FIFO

( ) LIFO

( ) FILO

( ) LILO

12. 4. Name of typical dedicated register is:

Mark only one oval.

( ) PC

( ) IR

( ) SP

( ) All of these

13. 5. The address bus of microprocessor is

Mark only one oval.

( ) unidirectional

( ) bi-directional

( ) unidirectional as well as bi-directional

( ) None of these

14.　　6. A microprocessor performs as

Mark only one oval.

◯ CPU of a computer

◯ memory of a computer

◯ output device of a computer

◯ input device of a computer

15.　　7. The 64 bit processor is

Mark only one oval.

◯ Pentium

◯ Pentium II

◯ Pentium III

◯ Pentium 4

16.　　8. Consider the following I) Sign flag II) Trap flag III) Parity flag IV) Auxiliary carry
flag Which one of the above flags is/are present in 8085 microprocessor?

Mark only one oval.

◯ (I) only

◯ (I) & (II)

◯ (II) & (III)

◯ (I) ,(III) & (IV)

17.   9. After add 89H & 79H , the status of Parity flag will be

Mark only one oval.

     ◯ 0

     ◯ 1

     ◯ X

     ◯ Unchanged

18.   10. 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

19.   11. What is SIM?

Mark only one oval.

     ◯ Select Interrupt Mask

     ◯ Shoting Interrupt Mask

     ◯ Set Interrupt Mask

     ◯ None of these

20.   12. Let 81H & C2H are added. The RAR is executed. The content of the Accumulator will be

Mark only one oval.

⬭ 82H

⬭ 87H

⬭ 90H

⬭ 97H

21.   13. HLT op-code means

Mark only one oval.

⬭ Load data to accumulator

⬭ Store result in memory

⬭ Load accumulator with contents of register

⬭ End of program

22.   14.Which instruction is required to rotate the content of accumulator one bit right along with carry?

Mark only one oval.

⬭ RLC

⬭ RAL

⬭ RRC

⬭ RAR

23. 15. STA 2070H is an instruction of

Mark only one oval.

- ◯ One byte
- ◯ two byte
- ◯ three byte
- ◯ four byte

24. 16. MOV A, B is an instruction of

Mark only one oval.

- ◯ direct addressing mode
- ◯ indirect addressing mode
- ◯ register addressing mode
- ◯ Immediate addressing mode

25. 17. XCHG is an

Mark only one oval.

- ◯ data transfer instruction
- ◯ arithmetic instruction
- ◯ logical instruction
- ◯ I/O and stack pointer instruction

26.   18. What is RIM in context of microprocessor?

Mark only one oval.

⬭ Ready Interrupt Mask

⬭ Reading Interrupt Mask

⬭ Read Interrupt Mask

⬭ Read Integer Mask

27.   19. A two byte instruction consists of

Mark only one oval.

⬭ opcode and operand

⬭ opcode only

⬭ opcode and two operands

⬭ operand only

28.   20. How many times will the following loop be executed? XRA A MVI C, 05H LOOP;
       DCRC JNZ LOOP

Mark only one oval.

⬭ once

⬭ five times

⬭ infinite times

⬭ depends on initial value of A

29.   21. How many address lines are required to access 1 MB RAM using
       microprocessor?

Mark only one oval.

⬭ 16

⬭ 8

⬭ 20

⬭ 12

30.   22. Which flags of 8086 are not present in 8085?

Mark only one oval.

⬭ TF

⬭ DF

⬭ OF

⬭ All of these

31.   23. What is the size of instruction Queue of 8086 microprocessor?

Mark only one oval.

⬭ 3

⬭ 5

⬭ 6

⬭ 8

32. 24. In 8086 microprocessor, the size of each segment is

Mark only one oval.

◯ 32 KB

◯ 64 KB

◯ 16 KB

◯ 8 KB

33. 25. The Intel 8086 microprocessor is a _____ processor.

Mark only one oval.

◯ 8 bit

◯ 16 bit

◯ 32 bit

◯ 4 bit

34. 26. The 16 bit flag of 8086 microprocessor is responsible to indicate _____.

Mark only one oval.

◯ the condition of result of ALU operation

◯ the condition of memory

◯ the result of addition

◯ the result of subtraction

35.   27. In 8086 the overflow flag is set when _____.

Mark only one oval.

◯ the sum is more than 16 bits

◯ signed numbers go out of their range after an arithmetic operation

◯ carry and sign flags are set

◯ subtraction

36.   28. In 8086 microprocessor the following has the highest priority among all type interrupts?

Mark only one oval.

◯ NMI

◯ DIV 0

◯ TYPE 255

◯ OVER FLOW

37.   29. In 8086 microprocessor one of the following statements is not true?

Mark only one oval.

◯ coprocessor is interfaced in max mode

◯ coprocessor is interfaced in min mode

◯ i/o can be interfaced in max / min mode

◯ supports pipelining

38.　30. 8088 microprocessor differs with 8086 microprocessor in _____.

Mark only one oval.

○ data width on the output

○ address capability

○ support of coprocessor

○ support of MAX / MIN mode

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