Online Examinations (Even Sem/Part-I/Part-II Examinations 2020 - 2021

Course Name - –Microprocessors
Course Code - DCSE404

* You can submit the form ONLY ONCE.
* Fill the following information for further process.

* Required

1. Email *

2. Name of the Student *

3. Enter Full Student Code *

4. Enter Roll No *

5. Enter Registration No *

6. Enter Course Code *

7. Enter Course Name *

8. *

Mark only one oval.

- Diploma in Pharmacy
- Bachelor of Pharmacy
- B.TECH.(CSE)
- B.TECH.(ECE)
- BCA
- B.SC.(CS)
- B.SC.(BT)
- B.SC.(ANCS)
- B.SC.(HN)
- B.Sc.(MM)
- B.A.(MW)
- BBA
- B.COM
- B.A.(JMC)
- BBA(HM)
- BBA(LLB)
- B.OPTOMETRY
- B.SC.(MB)
- B.SC.(MLT)
- B.SC.(MRIT)
- B.SC.(PA)
- LLB
- B.SC(IT)-AI
- B.SC.(MSJ)
- Bachelor of Physiotherapy
- B.SC.(AM)
- Dip.CSE
- Dip.ECE
- DIP.EE
- DIP.CE

- DIP.ME
- PGDHM
- MBA
- M.SC.(BT)
- M.TECH(CSE)
- LLM
- M.A.(JMC)
- M.A.(ENG)
- M.SC.(MATH)
- M.SC.(MB)
- MCA
- M.SC.(MSJ)
- M.SC.(AM)
- M.SC.CS)
- M.SC.(ANCS)
- M.SC.(MM)
- B.A.(Eng)

Answer all the questions. Each question carry one mark.

9. 1. Why 8085 Processor is called an 8-bit processor?

Mark only one oval.

- Because 8085 processor has 8-Bit ALU.
- Because 8085 processor has 8-Bit control bus.
- Because 8085 processor has 8-Bit data bus.
- None of these

10. 2. Microprocessor speed depends on which parameter?

Mark only one oval.

- Clock
- Address Bus Width
- Data Bus Width
- None of these

11. 3. Which of the following is a user programmable register?

Mark only one oval.

- Memory Address Register
- Data Register
- Accumulator
- Program Counter

12. 4. Why 8085 processor is called an 8 bit processor?

Mark only one oval.

- Because 8085 processor has 8 bit ALU.
- None of these
- Because 8085 processor has 8 bit data bus.
- Both (a) and (b)

13. 5. Name of the program responsible to transfer hex input to binary is

Mark only one oval.

- System Program
- Application Program
- Monitor Program
- Compiler

14. 6. HLT is a _____ operation

Mark only one oval.

- Data transfer
- Arithmetic
- Machine Control
- Branching

15. 7. JNZ is one kind of _____ operation

Mark only one oval.

- Data transfer
- Arithmetic
- Branching
- Machine Control

16. 8. PSW in 8085 microprocessor is a

Mark only one oval.

- 4-bit register
- 8-bit register
- 16-bit register
- 12-bit register

17. 9. How many T-States are there in STA 8050H instruction?

Mark only one oval.

- 10
- 9
- 13
- 11

18. 10. Who is the last machine cycle in LDA 2030H?

Mark only one oval.

- Op-code Fetch
- Memory Write
- Memory Read
- I/O Read

19. 11. Full form of SIM is

Mark only one oval.

- Select Interrupt Mask
- Sorting Interrupt Mask
- Set Interrupt Mask
- None of these

20. 12. Addressing mode of STA 8055H instruction is

Mark only one oval.

- Immediate
- Implied
- Memory Direct
- Stack

21. 13. The interrupt line having highest priority is

Mark only one oval.

- RST 7.5
- RST 6.5
- TRAP
- SLEEP

22. 14. How many instructions are present in 8085 instruction set?

Mark only one oval.

- 75
- 77
- 76
- 78

23. 15. DAD is a

Mark only one oval.

- Instruction
- Register
- Operation
- None of these

24. 16. An interrupt that can be turned off by the programmer is known as

Mark only one oval.

- Non-Maskable Interrupt
- Software Interrupt
- Maskable Interrupt
- Priority Interrupt

25. 17. For MOV A, M instruction, one of the operand will be stored in

Mark only one oval.

- HL
- Address of operand will be stored in HL
- Accumulator
- None of these

26. 18. Which statement is true for MOV D, B instruction?

Mark only one oval.

- 2 –Byte Instruction
- 3 –Byte Instruction
- 1 –Byte Instruction
- 4 –Byte Instruction

27. 19. Addressing mode of PUSH B instruction is

Mark only one oval.

- Immediate
- Implied
- Stack
- Register Direct

28. 20. Jumping from one location to another unconditionally can be done by

Mark only one oval.

- JNZ
- JZ
- JMP
- JC

29. 21. Which instruction is not present in 8085 instruction set?

Mark only one oval.

- ADD
- SUB
- MULT
- ORA

30. 22. 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
- It facilitates the user storing 16-bit data temporarily
- There are 16 address lines
- It has to fetch two 8-bit data at a time

31. 23. In Intel 8085A microprocessor ALE signal is made high to

Mark only one oval.

- To latch data D0-D7 from data bus
- To disable data bus
- Enable the data bus to be used as low order address bus
- To achieve all the functions listed above

32. 24. CALL instruction is a _____ instruction.

Mark only one oval.

- 2 Byte
- 3 Byte
- 1 Byte
- 4 Byte

33. 25. The advantage of memory mapped I/O over I/O mapped I/O is

Mark only one oval.

- Faster
- Require a bigger address decoder
- Many instructions supporting memory mapped I/O
- All the above

34. 26. If 300 peripheral device need to be interfaced with 8085, which should be preferred?

Mark only one oval.

- Memory-mapped I/OPeripheral-mapped I/O
- Any one
- Memory-mapped I/O
- None of these

35. 27. Number of Hex digits needed to represent the 16-bit address of a memory location are

Mark only one oval.

- 3
- 5
- 4
- 6

36. 28. 8005H location can be used as a peripheral address in which method?

Mark only one oval.

- Peripheral -mapped I/O
- Any one
- Memory-mapped I/O
- None of these

37. 29. Third state of a tri-state device is29. The average number of comparisons performed by merge sort algorithm in merging two sorted lists of 2 elements is

Mark only one oval.

- High
- Low
- High-Impedance
- Both a and b

38. 30. Memory-mapped and peripheral mapped I/O are related to

Mark only one oval.

- Memory Interfacing
- Both a and b
- Peripheral Interfacing
- None of these

39. 31. Total addressable memory location supported by Intel 8086 is

Mark only one oval.

- 28
- 210
- 216
- 220

40. 32. Full form of OF in Intel 8086 microprocessor is

Mark only one oval.

- Overdue Flag
- One Flag
- Overflow Flag
- Over Flag

41. 33. in Intel 8086 microprocessor, the work of EU is

Mark only one oval.

- Decoding
- Processing
- Encoding
- Calculation

42. 34. The RD, WR, M/IO are the heart of control for _____ mode

Mark only one oval.

- Maximum
- Halt
- Minimum
- Fetch

43. 35. Intel 8086 is a _____ bit microprocessor

Mark only one oval.

- 8
- 10
- 16
- 20

44. 36. Register AX is formed by grouping

Mark only one oval.

- AH and AL
- BH and BL
- CH and CL
- DH and DL

45. 37. Microprocessor determines whether specified condition exists or not by testing

Mark only one oval.

- Carry Flag
- Common Flag
- Conditional Flag
- Sign Flag

46. 38. If MN/MX is low, 8086 operates on _____ mode

Mark only one oval.

- Maximum
- Both a and b
- Minimum
- Medium

47. 39. The instruction, MOV AX, 1234H is an example of

Mark only one oval.

- Register
- Direct
- Immediate
- Register Relative

48. 40. Which is not a machine cycle?

Mark only one oval.

- Op-code Fetch
- Memory Read
- None of these
- I/O Read

49. 41. Which one requires 4 t-States to complete?

Mark only one oval.

- Memory Read
- I/O Write
- Op-code Fetch
- Memory Write

50. 42. Which stack is used in 8085?

Mark only one oval.

- LIFO
- FILO
- FIFO
- None of these

51. 43. Which one has the highest priority

Mark only one oval.

- TRAP
- RST 7.5
- HOLD
- INTR

52. 44. Addressing mode of MOV A, B is

Mark only one oval.

- Memory Direct
- Memory Indirect
- Register Direct
- Base Register

53. 45. Stack Pointer is a _____ register

Mark only one oval.

- 4 bit
- 16 bit
- 8 bit
- None of these

54. 46. After XRA A, content of A will be always

Mark only one oval.

- 0
- 1
- 2
- 3

55. 47. Addressing mode of HLT instruction is

Mark only one oval.

- Immediate
- Implied
- Stack
- Register Direct

56. 48. Which flag is associated with JNC 8050H instruction?

Mark only one oval.

- Zero
- Sign
- Carry
- Parity

57. 49. Which flag is associated with JNZ 8050H instruction?

Mark only one oval.

- Sign
- Parity
- Zero
- Carry

58. 50. Which of the following instruction is not possible in 8085?

Mark only one oval.

- POP PSW
- POP B
- POP 30H
- POP D

59. 51. Which general/special register or general/special register pair is incremented / decremented by 2 during PUSH and POP instructions?

Mark only one oval.

- HL
- DE
- Stack Pointer
- Program Counter

60. 52. To interface a memory with 2048 locations, how many address lines will be used?

Mark only one oval.

- 10
- 11
- 12
- 16

61. 53. Maximum numbers of addresses supported by peripheral-mapped-I/O is

Mark only one oval.

- 128
- 256
- 512
- 1024

62. 54. Which among is a peripheral-mapped-I/O instruction?

Mark only one oval.

- LDA
- STA
- IN
- None of these

63. 55. More than one address of an device is possible with

Mark only one oval.

- Absolute Decoding
- Both a and b
- Partial Decoding
- None of these

64. 56. To interface a memory with 1024 locations, how many address lines will be used?

Mark only one oval.

- 11
- 12
- 10
- 16

65. 57. 2732 is a IC of

Mark only one oval.

- Decoder
- R/W memory
- EPROM
- RAM

66. 58. Data bus width of Intel 8086 is

Mark only one oval.

- 10 bit
- 8 bit
- 16 bit
- 20 bit

67. 59. The _____ is used to connect more microprocessor

Mark only one oval.

- Peripheral
- I/O devices
- Cascade
- Control unit

68. 60. The index register is used to hold

Mark only one oval.

- Memory Register
- Offset Register
- Offset Memory
- Segmented Memory