

Mid Term Examination

CSN-101

Time Duration: 1 Hr 30 Min

Maximum Marks: 50

Note: Question 1-5 is MCQ (5*1 = 5 marks)

1. ENIAC stands for
 - a. Electronic Numerical Integrator and Calculator
 - b. Electronic Numerical Integrator Automatic Computer
 - c. Electronic Numerical Integrator Automatic Calculator
 - d. Electronic Numerical Integrator and Computer
2. What kind of Information is stored inside the computer?
 - a. Binary form
 - b. ASCII code form
 - c. Decimal form
 - d. Alpha numeric
 - e. Numeric form
3. In the structure chart, modules are described as
 - a. Circle
 - b. Triangles
 - c. Rectangle
 - d. Ellipse
4. Which is true about Algorithms
 - a. Algorithms can easily be converted into program codes
 - b. Algorithms are written in formal notation
 - c. Algorithms provide a sequence of steps that will solve a problem
 - d. Algorithms are only used for maths and computer-related problems
5. Moore's law is related to
 - a. Speed of operation of the bipolar device
 - b. Speed of operation of MOS devices
 - c. The power rating of the MOS device
 - d. Level of the integration of MOS device

6. Write a program in 8085 to swap two numbers without any help from a third variable? (4 marks)
7. What is a flag? List the flags of 8085 (4 marks)
8. What is the main memory of the computer? Explain the types of main memory? (5 marks)
9. Write an algorithm and draw a flowchart for Determine and Output Whether Number N is Even or Odd. (5 marks)
10. Write an algorithm and draw a flowchart to find the smallest number among four different numbers entered by the user. (5 marks)
11. Draw the basic architecture of computers. (4 marks)
12. Write an algorithm and draw a flowchart for prime numbers from 1 to n. (5 marks)
13. Explain briefly about bus structure of 8085? (4 marks)
14. What is the Arithmetic and Logic Unit (ALU), explain its importance in computer? (4 marks)
15. Write an assembly language program to add two 8 bit numbers stored at address 2050 and address 2051 in 8085 microprocessor. (5 marks)

Example: Memory	Data Stored
2050	D8
2051	4C