

**BSc. (NEP) Semester-5 Examination
DSC-C-352 Electronics
Microprocessor & C Programming**

Time : 2-00 Hours]

November-2025

[Max. Marks : 50

Instructions : (1) All the question carry equal marks.

(2) Symbol used have their own meaning

1. "Write an assembly language program of 8085" 10
 - (a) To find the smallest number in a Data array. 5
 - (b) To arrange a data array in the ascending order. 5

OR
1. "Write an assembly languages programe of 8085."
 - (a) To do sum of series of 8 bit numbers. 5
 - (b) To do 8 bit multiplication. 5
2. Write an assemble language program of 8085 to move a block of Data from one section of memory to another section of memory. 10

OR
2. Explain about memory, I/O interfacing & Interrupts of IC 8085.
3. (a) Write a history of C & it's importance. 5
 - (b) Explain the use of subroutines in C programming. 5

OR
3. Explain about "C tokens", "Constants" & "Variables" in C programming. 10
4. Write a C program to convert the given temperature in Fahrenheit to Celsius using the equation. $C=(F-32)/1.8$ 10

OR
4. Write a C program for the use of integer arithmetic to convert a given number of days into months & days. 10
5. Attempt any ten out of twelve. 10
 - 1) If there is a _____ from addition or a borrow from subtraction or comparison, the CS is set to 1.
 - 2) _____ is total of five status flags & three undefined bits.
 - 3) In 8085 interrupts, _____ has the highest priority.
 - 4) _____ instruction is used for I/O operations in I/O mapped I/O addressing mode.
 - 5) _____ is the largest 8 bit unsigned number.
 - 6) _____ is the largest 8 bit signed negative number.
 - 7) Programs written in C are efficient & fast due to it's variety of data types & powerful _____.
 - 8) C language is well suited for _____ programming, thus requiring the user to think of a problem in terms of function modules or blocks.
 - 9) The _____ type has no values.
 - 10) An expression which combines two or more relational expression is termed as a logical expression or a _____ relational expression.
 - 11) There are only _____ keywords in ANSI C.
 - 12) The standard mathematical function are defined & kept as a part of _____.
