

K-10/2111
INTRODUCTION TO COMPUTER
PROGRAMMING USING 'C'
Paper–MATH 1105T/AMCM 1104T
(Semester–I)

Time : Three Hours]

[Maximum Marks : 40

Note : Attempt two questions each from Section A and B of the question paper and the entire Section-C. Use of non-programmable scientific calculator is allowed.

SECTION–A

- I. Explain different types of memories and I/O devices. 7.5
- II. What is a network? Explain its types and topologies. 7.5
- III. Explain with example data types and operators used in C language. 7.5
- IV. Write a program to check weather a given number is Armstrong. 7.5

SECTION–B

- V. What is a function? Differentiate between call by value and call by reference. 7.5

- VI. Write a program to multiple 2 arrays of 3×3 dimensions. 7.5
- VII. Define String? Write a program to check weather string is palindrome or not. 7.5
- VIII. Explain the use of pointers? Write a note on arrays and pointers. 7.5

SECTION-C

- IX. Explain the following :
- (a) EPROM.
 - (b) Operating System.
 - (c) HLL and LLL.
 - (d) Program and Algorithm.
 - (e) Static variables.
 - (f) Structure and Union.
 - (g) Break and Continue statements.
 - (h) Nested if...else.
 - (i) Bitwise operator.
 - (j) Compiler and Interpreter. (10×1)
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