

National Institute of Technology, Kurukshetra
B.Tech (1st Sem.) Computer Engineering Department
Basics of Programming (CSIR-11)

Mid Sem. Exam- I

Date: 06-01-2021
Duration: 35 min.

M.M:15

Q1. Write a program to display the following pattern.

[5 Marks]

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*****
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Q2. Write a program to display the multiplication table vertically from 1 to n.

[5 Marks]

For eg. Input the table number to start from and end to: 1:6

Expected Output:

Multiplication table from 1 to 6

1x1 = 1, 2x1 = 2, 3x1 = 3, 4x1 = 4, 5x1 = 5, 6x1 = 6

1x10 = 10, 2x10 = 20, 3x10 = 30, 4x10 = 40, 5x10 = 50, 6x10 = 60

Q3. Write a program to find the sum of the following series using the function.

[5 Marks]

$$1!/1 + 2!/2 + 3!/3 + 4!/4 + 5!/5$$