U.G. 3rd Semester Examination - 2021

MATHEMATICS

[HONOURS]

Course Code : MATH-H-CC-P-07

[PRACTICAL]

SET-3

Full Marks : 20   Time : 2 Hours

The figures in the right-hand margin indicate marks.

Symbols and notations have their usual meanings.

$10 \times 2 = 20$

1. Write a C program for solving the following system of linear equations by Gauss elimination method: x+y+z = 2, x+2y+3z = 5, 2x+3y+4z = 11.

2. Write a C program to find the value of $\int_{0}^{6} \dfrac{1}{1+x^2} \, dx$ by Simpson's $\frac{1}{3}$ rd rule with 10 sub intervals.

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