PG/IS/COS/195.M1/23(Pr.)

M.Sc. 1st Semester Examination, 2023

COMPUTER SCIENCE

(Practical)

PAPER — COS-195 (M1)

Full Marks : 25

Time : 2 hours

The figures in the right hand margin indicate marks

Candidates are required to give their answers in their own words as far as practicable

Answer any **one** question : 20×1

1. Write a CUDA C program to add 2 vectors of size 100. Use device to add the numbers.

2. Write a CUDA C program to calculate whether a number is prime or not in an array of 100 numbers. Use device to check the numbers.

3. Write a CUDA C program to multiply two matrices using device.

4. Write a CUDA C program to add 50 with each element of an array of size 100. Use device.

Note : For each program block size is 1

Marks Distribution

Coding	: 12 Marks
Output	: 02 Marks
Discussion	: 06 Marks
Viva	: 05 Marks