



‘समानो मन्त्रः समितिः समानी’

UNIVERSITY OF NORTH BENGAL

MCA 4th Semester Examination, 2022

COMPUTER APPLICATION (PRACTICAL)

PARALLEL PROGRAMMING LAB

PAPER: LC-IT-41 (PE41L)

Time Allotted: 3 Hours

Full Marks: 50

All questions carry equal marks.

Answer any *one* question on lottery basis

Programming: 40

Viva-voce: 10

General Instruction to students:

WAPP stands for Write a parallel program

1. WAPP to implement merge sort algorithm.

2. WAPP to compute the sum of the following series:

$$1! + 2! + \dots + 20!$$

3. WAPP to multiply two compatible matrices using broadcast.

4. WAPP to multiply two compatible matrices using scatter.

5. WAPP to add two compatible matrices using scatter.

6. WAPP to add two compatible matrices using broadcast.

7. WAPP to sort a set of 'n' integers.

8. WAPP to compute the value of Pi (π).

9. WAPP to implement linear search using scatter.

10. WAPP to implement linear search using broadcast.

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