

CHENNAI MATHEMATICAL INSTITUTE

M.Sc. / Ph.D. Programme in Computer Science

Entrance Examination, 19 May 2024

Instructions

- Enter your *Admit Card Number*:

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 - This examination has two parts Part A and Part B.
 - The time allowed is 3 hours.
 - Total Marks: 100
 - Answer all questions.
 - Answers for Part A should be entered directly on the computer, as instructed in the question paper. Each question in Part A has four choices, of which exactly one is correct.
 - This booklet is only for Part B answers and rough work. Answer questions for Part B in the space provided for the corresponding question.
 - *Rough work*. The pages marked *Rough work only* in the end of the booklet are to be used for rough work. *Do not* enter the final answers in the pages reserved for rough work.
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For office use only

Part A

| | |
|--------------|--|
| Total | |
|--------------|--|

Part B

| | |
|--------------|--|
| 1 | |
| 2 | |
| 3 | |
| 4 | |
| 5 | |
| 6 | |
| 7 | |
| Total | |

Overall Marks

| | |
|--------------|--|
| Part A | |
| Part B | |
| Total | |

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Answer to Part B - Question 1

Answer to Part B - Question 1 (continued)

CHENNAI MATHEMATICAL INSTITUTE

M.Sc. / Ph.D. Programme in Computer Science

Entrance Examination, 19 May 2024

Answer to Part B - Question 2

Answer to Part B - Question 2 (continued)

CHENNAI MATHEMATICAL INSTITUTE

M.Sc. / Ph.D. Programme in Computer Science

Entrance Examination, 19 May 2024

Answer to Part B - Question 3

Answer to Part B - Question 3 (continued)

CHENNAI MATHEMATICAL INSTITUTE

M.Sc. / Ph.D. Programme in Computer Science

Entrance Examination, 19 May 2024

Answer to Part B - Question 4

Answer to Part B - Question 4 (continued)

CHENNAI MATHEMATICAL INSTITUTE

M.Sc. / Ph.D. Programme in Computer Science

Entrance Examination, 19 May 2024

Answer to Part B - Question 5

Answer to Part B - Question 5 (continued)

CHENNAI MATHEMATICAL INSTITUTE

M.Sc. / Ph.D. Programme in Computer Science

Entrance Examination, 19 May 2024

Answer to Part B - Question 6

Answer to Part B - Question 6 (continued)

CHENNAI MATHEMATICAL INSTITUTE

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Answer to Part B - Question 7

Answer to Part B - Question 7 (continued)

Rough work only

Rough work only

Rough work only

Rough work only

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