

**CHENNAI MATHEMATICAL INSTITUTE**  
**Undergraduate Programme in Mathematics and Computer Science/Physics**  
**Make-up Entrance Examination**  
**23<sup>rd</sup> May 2022**

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Enter your *Admit Card Number*: 

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**IMPORTANT INSTRUCTIONS**

- **Points: 40 for part A and 80 for part B.** Carefully read the specific instructions given for each part in the question paper.
  - **Enter your answers to part A into the computer as instructed.** Part A will be used for screening. Part B will be graded only if you score a certain minimum in part A. For the final decision scores in both parts will be used.
  - **This booklet is ONLY for part B answers and rough work.** For each part B problem, write your solution on the pages designated for that problem in pages numbered 2 to 13. For extra space and rough work, use the blank pages numbered 14 to 26 at the end.
  - **Time allowed: 3.5 hours.** You are advised to spend at least 2 hours on part B.
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**For office use only**

	Points	Remarks
Part A		
Part B		
Total		

	Points	Remarks
B1		
B2		
B3		
B4		
B5		
B6		
Total		

Answers to part B of 2022 Entrance Examination for BSc Programmes at CMI

Carefully read the instructions on the question paper.

**B1.** Write your solution to B1 below.

Solution to B1 continued

**B2.** Write your solution to B2 below.

Solution to B2 continued

**B3.** Write your solution to B3 below.

Solution to B3 continued

**B4.** Write your solution to B4 below.

Solution to B4 continued

**B5.** Write your solution to B5 below.

Solution to B5 continued

**B6.** Write your solution to B6 below.

Solution to B6 continued.

**If necessary, continue solution to any problem on blank pages →**

**Blank pages for rough work/continuation of part B solutions**

For any part B solution continued in these blank pages, label it clearly AND note the page number of the continuation in the main part of the solution.

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