MIE100S: Dynamics – April 22, 2019

Final Examination: 9:30 a.m. – noon (150 minutes)

D Not copy

You must *neatly & clearly* show *all* rough work to earn credit for each answer.

This answer booklet contains 16 pages, including this cover page, printed two-sided.

ROSI/ACORN email: _____@mail.utoronto.ca

First name (please write as legibly as possible within the boxes)

Last name

UofT student number

- **You must answer each question on the *correct page* of the CrowdMark booklet.**

- If you run out of room answering any of these questions, then *clearly indicate* that your solution is continued on page 15 or 16. Do not remove any pages from this booklet.

- Avoid folding or tearing any of the sheets to the extent possible.

- Place your student UofT ID at the front, right-hand corner of your desk.

Type "D" Examination: Permitted Aids:

- Non-communicating/non-programmable calculator: Casio FX-991EX   or   Casio FX-991ES PLUS   or   Casio FX-991MS   or   Sharp EL-520X   or   Sharp EL-520W

- One 8 ½" x 11" aid sheet, any colour, brought to the test by the student. You may write on both sides of the sheet
- ruler

Question 1(a):

Question 1(b):   (If you run out of room, then continue on page 15 or 16)

Question 1(c):   (If you run out of room, then continue on page 15 or 16)

Question 2(a):

Question 2(b):

Question 3(a):

Question 3(b):

Question 3(c):   (If you run out of room, then continue on page 15 or 16)

Question 4(a):   (If you run out of room, then continue on page 15 or 16)

Question 4(b):

Question 5:   (If you run out of room, then continue on page 15 or 16)

Question 6(a):

Question 6(b):   (If you run out of room, then continue on page 15 or 16)

Spare page, in case you ran out of room on one of the questions

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