

Test Instruction

Xinli Wang

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Structure and versions: read carefully!

- Each student will write a specific selection of questions based on their Student ID.
- When you receive the test, you will see eighteen (18) different questions, numbered in the format (NUMBER)(LETTER), e.g. 1A, 2E, or 3F, etc.
- The last 3 digits of your student number will determine which questions you will complete. For example, if your student number is 100727004, then "004" is the last THREE digits. You need to submit **6** solutions only.
- The first of these digits ("0" in the example) determines which **1 (LETTER)** problems you will write, based on this table:

Digit	Problems (from A, B, C, D, E, F)
0	A,B
1	C,D
2	E,F
3	A,D
4	B,F
5	C,E
6	A,E
7	B,D
8	C,F
9	B,E

So in the example, the student with ID 100727**0**04 would write 1**A**, and 1**B**.

- This continues for the rest of the last three digits and the Question NUMBERS. (Even if there are repeated digits.)

So in the example, the last THREE digits of student number are 004, the student would write the following 6 questions:

- 1A,1B.
- 2A,2B.

– 3B, 3F.

- To make sure you have the correct questions, you can highlight the rows that correspond to the last THREE digits of your student number first.
- Another example: if a student's ID is 100727865, then the last THREE digits are "865". the student would write the following 6 questions:
 - 1C,1F.
 - 2A,2E.
 - 3C,3E.
- We will ignore (i.e. give a mark of 0) to incorrectly chosen questions.
- Here's an [Excel](#) that helps you double-check which question you should write.
- You have lots of time before the exam to confirm which questions you should write on the exam, so we will not accept any excuses about writing the wrong questions.

From the above you can gather that each student will write 6 questions for the exam.

- There will be True/False questions, calculations problems, and other conceptual questions (answered similarly to a True/False question).
- When you answer True/False questions, please state clearly the reason why your answer is True or False. Without a valid argument, even if you have the correct final conclusion, you will not receive any partial credit.
- Your final solution should be simplified to your best ability.
- About difficulty: the questions will be written in ways (where possible) to be hard to "google" or use an online calculator to solve. This might make some of them a bit more abstract. But, beyond that, the exam will not be overly hard to compensate for it being online.
- Test is from 4:30pm to 5:45pm CST, with 10% penalty for each minute of late submission. ALL your solutions should be uploaded to CrowdMark by 5:45pm or earlier.
- You need to start uploading your solutions by 5:30pm. If you run into any issues, you should message me on Teams right away. Do not wait till the last minute. If you attempt to submit your solutions at the last few minutes and run into any problem which result in late submission, you will receive lateness penalty.
- Note that during the test, you are allowed to refer to our course materials posted on UM Learn, the textbook, assignments and your own notes. Any third party help such as your family, friends and online websites, is prohibited.