

**MA20205 Probability and Statistics**  
**Class Test Protocol: Autumn 2021-2022**

Dear Students,

**General Instructions of TEST 3**

**Syllabus:** Joint and conditional Distributions, Functions of a Random Variable, Transformations, Sampling Distributions, Law of large numbers

Wish you all the best for the Second Class Test to be held on 15th at 11:00 a.m. (Slot B) and 16<sup>th</sup> November at 12:00 Noon (Slot A) November, 2021. Please join the test on time.

You have to answer 10 questions each of fill in the blanks type. You have to fill a real number in decimal form as the answer with decimals as per desired accuracy (mentioned in question). You will get full marks if the answer lies in a specified error range. Each question is of 4 marks. There is no negative marking.

The questions for different students are likely to be different. The questions will come in random order and once you answer a question, you can go to the next question. Backward navigation is not allowed.

**ISSUES DURING EXAM :**

If you face any technical, medical or family problems due to which you cannot complete the exam, then with necessary supporting document/screen shot (MUST) fill up and submit the google form

PS (MA20205)/ TEST 3/ ISSUE TRACKER

<https://forms.gle/CcYpJB64Q6VwhQXD7>

A copy of your responses will be emailed to the address you provided. Forward the same to your section professor for record within 24 hours of the test.

A Make up test may be conducted on 23rd Nov 2021 (7:00 p.m.) for such students. However, the marks in the Make up test will be considered final. Please do not send email requesting to consider the maximum of the two tests.

**ANSWER FEEDBACK**

You are requested to report any inconsistency found with the question or solution by 24 hours the Class Test 3 conducted on November 15 and 16. The answer keys will be posted in MS Teams.

## ANSWER KEY FEEDBACK

<https://forms.gle/qz8TQ8PtSffJjMX8>

You have to fill the form for each question you want to give feedback separately.

Question number should be mentioned as in this file for the reference.

An image/pdf of complete and necessary calculation with question number has to be submitted in the form.

If the proposed correction is acceptable, it will be incorporated before the evaluation of examination.

We may not be able to reply back, but it will be taken care accordingly.

Finally, you need not worry about grading scheme. It is observed that the performance of the students in first two class tests is nearly normal (central limit theorem is validated here as marks represent sum of 20 randomly selected questions- so marks are i.i.d. random variables).

Best wishes



Professor Somesh Kumar  
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