



### Handling Mathematics Assessment Effectively

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Mathematics assessments are usually administered in STEM (Science, Technology, Engineering and Mathematics) courses in UniSIM.

To prepare for a mathematics test,

- i) Find out from your instructor the structure of the test (date, duration, topics covered, number of questions and final grade weighting).
- ii) Memorize all the theorems or formulae that are needed but not given, in the test.
- iii) Practise the relevant tutorial questions faithfully. Doing well in mathematics test usually requires consistent practice.
- iv) Retrieve past years' papers to have an idea of how the test might be set. Practise them conscientiously.
- v) Ask your instructor for guidance if you cannot solve any of the tutorial or past years' questions.
- vi) If the calculator is needed during the test, ensure that you have two with you. One calculator is for standby in case the other calculator fails during the test.

During the test,

- i) Distribute your time fairly to the questions according to their mark weightings.
- ii) Watch the time regularly to ensure that you do not spend more than the assigned time for each question.
- iii) Write down all formulae or theorems that you have memorized on the answer booklet for reference.
- iv) In preparing your solutions to the questions,
  - Understand what are required of the questions. Look out for the key words and ensure that you make sense of all given data, information or numbers.
  - Identify and make a note of the concepts, formulae and procedures you might need in solving the problems.
  - Ensure that your handwriting, especially when you are writing the numbers, is legible.
  - Show clearly the mathematical steps that arrive at the final answer.
  - Ensure that the unit of measurement in the solution is correct and consistent.
  - When you are using the calculator, ensure that you key in the right data.
  - Go on to the next question if you are stuck at a question.



- Allocate some time to go back to the questions you have skipped.
- v) After finishing the questions,
- Check the mathematical procedures and calculations in relation to the questions for careless mistakes.
  - Rectify any careless mistakes in calculation or procedure.