MTH 111 - General Mathematics I

Original BarTech CBT Study Guide

BarTech CBT Study Resources Library

Purpose

This original guide is a concise revision framework for university lectures, tests and C
Use this guide with your lecturer notes, official course outline and approved textbooks.

Core Topics

1. Sets, number systems, indices, logarithms and basic algebraic manipulation.
2. Functions, graphs, equations and inequalities.
3. Sequences and series, arithmetic and geometric progressions.
4. Limits and continuity as foundations of calculus.
5. Differentiation, rules of differentiation and applications.
6. Introduction to integration and basic applications of definite integrals.

Revision Checklist

1. Define key terms and explain the main ideas in your own words.
2. Review examples, diagrams, processes and calculations where applicable.
3. Practise questions without checking the answer before you finish.
4. Use the BarTech CBT course page for self-check and CBT practice.