

Bridging Exemption Test Course Information

Bridging Exemption Test Course: Mathematics

Overview

Exam questions on basic mathematical concepts particularly on algebra, geometry and calculus. Formulas and graph paper will be provided during exam. Non-graphical, non-programmable scientific calculator is required.

Faculty/Programme Group

- Civil
- Electrical
- Chemical & Natural Resources
- Biomedical & Health Science
- Mechanical
- Bioscience & Bioengineering
- Science
- Education
- Computer Science and Information System
- Geomatic Science & Engineering (SGS, SGU, SGG)

Topics

- Algebra and Polynomial
- Differentiation
- Integration
- Vector
- Matrix algebra
- Function, Curves and Polar coordinate
- Complex numbers

Exam Details

Format

- 1 part – Total mark is 100%
- Computational – All calculation must be shown clearly

Duration

- 2 hours
- No breaks

References

1. John Bird (2006), Higher Engineering Mathematics, Elsevier.
2. Glynn James, (2010). Modern Engineering Mathematics, PrenticeHall.
3. Abd. Wahid etal (2015), Engineering. Mathematics I, UTM (Textbook). [Link](#)
4. <https://math.libretexts.org/Bookshelves>