Bridging Exemption Test Exam Course: Fundamentals of Programming

Overview

The Fundamentals of Programming Bridging Exemption Test is a test that includes the parts on problem solving procedures using the C++ programming language. The questions will cover all the theory and practise which address easy-to-moderate tasks including pre-processor directives, constants, variables, data types, input and output, text files, control structures, function, and arrays. The test is comprised of two (2) parts that will include Multiple-Choice, and Structured Question. Answering booklets will be provided during the exam.

Faculty/Programme Group

- Computer Science and Information System

Topics
- Introduction to Information Technology
- Number System and Integer Representation
- Programming Concept
- Programming Environment
- Technical Approaches (Pseudocode & Flowchart)
- Elementary Programming (Syntax, variables, and data types)
- Input and Output File and Text File
- Branching (if, if-else, switch)
- Looping (for, while, do-while)
- Pre-defined and User-defined Function
- Array

Exam Details

Format
- 2 part – Total mark is 100%
- Answer all questions

Duration
- 2 hours
- No breaks

References

1. Tony Gaddis (2021), Starting out with C++: From Control Structures through Objects, Brief Version, 10th edition. Pearson Education.
2. D. S. Malik (2018), C++ Programming: From Problem Analysis to Program Design, 8th edition. Cengage Learning.