

4804/3

FACULTY OF SCIENCE
B.Sc. (I-Semester) Examination
COMPUTER SCIENCE
Paper-I
Programming in C

MIMS DC
2023

Time: 3 Hours]

[Max. Marks: 80

Section-A (Marks: 8x4=32)

1 Answer any Eight questions

- List the common functions of an operating system.
- What are the differences between a compiler and an interpreter?
- Write the algorithm for finding the sum of any two numbers and explain it with flowchart.
- Explain about for Construct with simple example.
- What is an array? Explain with an example.
- What do you mean by control statements in C?
- Explain the difference between 'call by reference' and 'call by value'.
- What is recursion? Explain with an example.
- List the differences between pointers and arrays.
- What are Enumeration Types?
- List and explain file opening modes.
- Explain Sequential Versus Random File Access.

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Section-B (Marks: 4x12=48)

Answer all questions

- Classify and explain the programming languages.
(OR)
 - What is a CPU? What is its function? Mention it's several components.
- Give a brief note on Non-formatted Input and Output.
(OR)
 - Explain different versions of Selection Statements with examples.
- What is a Function? List certain rules for parameters to use in functions.
(OR)
 - Briefly explain storage classes in C programming.
- What is the difference between a structure and a union? Explain with a simple program.
(OR)
 - What are the functions are used for Random Access in Files?

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