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FACULTY OF SCIENCE
B.Sc. (I-Semester) Examination
DATA SCIENCE
Paper-I (New)
Programming with C

MIMS DC
2023

Time: 3 Hours]

[Max. Marks: 80

Section-A (Marks: 8x4=32)

1 Answer any Eight questions.

- Define Software. List out types of software's.
- Write overview and history of 'C' Language.
- What are the unformatted input and output statements in 'C'?
- Specify different decision control statements.
- What are the differences between break statement and continue statement?
- Define Multi-dimensional Array.
- What is call by value and call by reference in 'C' programming?
- How to pass parameter passing mechanism in 'C' with example.
- Distinguish between Library functions and User defined functions in 'C'.
- What is the usage of pointer in 'C'?
- Define Union and illustrate with example.
- Write about Text files and Binary files in 'C'.

Section-B (Marks: 4x12=48)
Answer all questions

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- Explain briefly C-tokens. (OR)
 - Explain different types of storage classes in 'C'.
- List out decision making statements in 'C'. Explain its syntax and example. (OR)
 - Define Dynamic Array. Explain multi-dimension arrays are declared and initialized with example.
- Explain recursion and write a c program to find N-th term of Fibonacci series. (OR)
 - Give the scope and life time of the following.
 - External variable
 - Static variable
 - Automatic variable
 - Register variable
- What is pointer in 'C' Language? What are its benefits? (OR)
 - Explain in detail how to access a one dimensional array using pointer with an example.

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