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PA—320—2024

FACULTY OF SCIENCE AND TECHNOLOGY

B.Sc. (First Year) (Second Semester) EXAMINATION

APRIL/MAY, 2024

(CBCS/New Pattern)

COMPUTER SCIENCE

Paper—IV

(Programming in C Language)

(Friday, 10-05-2024)

Time : 10.00 a.m. to 12.00 noon

Time—2 Hours

Maximum Marks—40

N.B. :— (i) *All questions are compulsory.*

(ii) *Figures to the right indicate full marks.*

(iii) *Assume suitable data, if necessary.*

1. Explain data types and their types in detail. 15

Or

(a) Explain arithmetic operators and types of arithmetic expressions with example. 8

(b) Explain do-while statement in detail. 7

P.T.O.

2. Explain string handling functions `strlen()`, `Strcat()`, `Strcmp()`

`Strcpy()` with suitable example. 15

Or

(a) What is array ? Explain their types in detail. 8

(b) Write a program in C to find average of three numbers. 7

3. Write short notes on the following (any *two*) : 10

(a) Structure

(b) Else-if ladder

(c) Relational operator

(d) Register.