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**SB—503—2022**

**FACULTY OF SCIENCE AND TECHNOLOGY**

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

**JUNE/JULY, 2022**

**(CBCS/New Pattern)**

**COMPUTER SCIENCE**

**Paper—IV**

**(Programming in C Language)**

**(Wednesday, 13-7-2022)**

**Time : 10.00 a.m. to 12.30 p.m.**

*Time— 2½ Hours*

*Maximum Marks—40*

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

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

1. Explain looping statements present in C-language with syntax and example. 15  

*Or*

  - (a) What are operators ? Explain types of operators in 'C' ? 8
  - (b) Explain datatypes used in C programming language. 7
2. What is an Array ? Explain the declaration and initialization of one dimensional array with example. 15  

*Or*

  - (a) Explain the concept of defining a function with example. 8
  - (b) Explain difference between Structure and Union. 7
3. Write short notes on any *two* out of four : 10
  - (a) Variables in C;
  - (b) If-else;
  - (c) Strlen () and stract ()
  - (d) File handling in C.

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