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**X—175—2019**

**FACULTY OF SCIENCE AND TECHNOLOGY**

**B.Sc. (Second Year) (Third Semester) (Regular) EXAMINATION**

**OCTOBER/NOVEMBER, 2019**

**(CBCS Pattern)**

**COMPUTER SCIENCE**

**Paper-VII**

**(Programming in C++)**

**(Tuesday, 26-11-2019)**

**Time : 2.00 p.m. to 4.00 p.m.**

*Time—2 Hours*

*Maximum Marks—40*

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

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

1. Explain object oriented languages and write applications of OOP. 15  
*Or*
  - (a) Explain basic data types in C++. 8
  - (b) Explain call by reference with example. 7
2. What is constructor ? Explain parameterized constructors. 15  
*Or*
  - (a) Give rules of overloading operator. 8
  - (b) Explain single inheritance. 7
3. Attempt any *two* of the following : 10
  - (a) Operators in C++, explain it
  - (b) Function overloading, explain it
  - (c) Overloading binary operator using friend, explain it
  - (d) Multiple inheritance, explain it.

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