This question paper contains **2** printed pages]

E—26—2019

FACULTY OF COMPUTER STUDIES

B.Sc. (Third Semester) EXAMINATION

MARCH/APRIL, 2019

(CBCS Pattern)

COMPUTER SCIENCE

(S3.CC.2)

(Object Oriented Concept Using C++)

(Monday, 22-4-2019)   **Time : 2.00 p.m. to 5.00 p.m.**

Time—3 Hours   *Maximum Marks—75*

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

      (ii)   Figures to the right indicate full marks.

1.   Attempt any *five* of the following :   15

    (a)   Explain I/O statement in C++.

    (b)   Explain inline function.

    (c)   Explain array.

    (d)   Explain visibility modes.

    (e)   Explain pure virtual function.

    (f)   Explain class and object.

    (g)   Explain file modes.

2.   Attempt any *two* of the following :   10

    (a)   Explain OOP's in detail.

    (b)   Explain benefits of OOPs.

    (c)   Explain data types in C++.

P.T.O.

3. Attempt any *two* of the following : 10

   (*a*)   Explain default arguments.

   (*b*)   Explain function overloading.

   (*c*)   Explain structure and union.

4. Attempt any *two* of the following : 10

   (*a*)   Explain constructor function.

   (*b*)   Explain friend function.

   (*c*)   Explain static members.

5. Attempt any *two* of the following : 10

   (*a*)   Explain operator overloading.

   (*b*)   W.a.p. to overload + operator.

   (*c*)   Explain rules for overloading.

6. Attempt any *two* of the following : 10

   (*a*)   What is inheritance ? Explain types of inheritance.

   (*b*)   W.a.p. for single inheritance.

   (*c*)   Explain virtual function.

7. Attempt any *two* of the following : 10

   (*a*)   Explain stream classes.

   (*b*)   W.a.p. to write "Hello" message in file "ABC.TXT".

   (*c*)   Explain open() and close() function.