PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)   ,

MSc DEGREE EXAMINATION DECEMBER 2018
(Second Semester)

Branch-**STATISTICS**

COMPUTER PROGRAMMING C++

Time: Three Hours   Maximum: 75 Marks
Answer **ALL** questions
ALL questions carry **EQUAL** marks   (5 x 1 5 = 75)

1   a Give a, short note on software evolution,
    b Explain the data types available in C++.
                              OR
    c Explain the different types of loops available in C++,
    d Give a short note on Operator precedence.

2   a What is a function? Explain in detail.   .
    b Give a short note on call by reference.
                              OR
, ' c Explain the class and objects in detail with an example program in C++..
    d Discuss about nesting of member functions with an example.

3   a Write in detail about constructor with example.
    b Explain the copy constructor with an example. .   ;
                              OR
    c Explain the operator overloading with an example program in C++. * '
    d Explain the destructors with an example.

4   a Explain the multiple inheritance in detail with an example program in C++,
    b Write short note on virtual base classes.
              :   OR
    c Write in detail about hybrid inheritance with an example program in C++,
    d Explain about pointers to object with an example.

5   a Describe the formatted console I/O operations with an example program in C++
    b Give a short note on C++streams.
                              OR
    c flow to open and close a file in C++? Give an example,
    d Explain about classes for file stream operations.

Z-Z-Z   END