PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)
BCom DEGREE EXAMINATION MAY 2018
(Third Semester)

Branch - COMMERCE WITH COMPUTER APPLICATIONS

FUNDAMENTALS OF C & C++

Time : Three Hours   Maximum : 75 Marks

SECTION-A (20 Marks)
Answer **ALL** questions
ALL questions earn EQUAL marks   (10x2 = 20)

1   What are the Variables?
2   Write down the types of Constants.
3   List down any four unformatted input output functions in C.
4   Write the syntax for do-while statement.
5   Give the usage of (*) indirection operator.
6   Define Union.
7   What is an Object?
8   List the benefits of OOPs.
9   What is an Inheritance?
10 Define Polymorphism.

SECTION - B (25 Marks)
Answer ALL Questions
ALL Questions Cano EQUAL Marks (5 x 5 = 25)

11 a   Write a C program to find the greatest of two numbers using conditional operator.
                        OR
    b   Write a note on data types in C.

12 a   Write a C Program to find the factorial value of a given number using recursion.
                        OR
    b   Write a note on call by value and call by reference with example programs.

13 a   What are Pointers? Explain with an example.
                        OR
    b   Distinguish Structure and Union.

14 a   Briefly explain constructor and its types.
                        OR
    b   Write a C++ program to swap any two integers using method overloading.

15 a   Write a short not on Virtual base class.
                        OR
    b   Illustrate the concept of pure virtual factions.

SECTION - C (30 Marks)
Answer any **THREE** Questions
ALL Questions Carry **EQUAL** Marks (3 x 10 = 30)

16 Explain in detail about the Operators and expressions in C.

17 Explain Looping Statements in C with suitable programs.

18 Discuss in detail about the string handling functions in C with suitable programs.

19 Give the benefits of OOPs in detail.

20 Write a C++ program to prepare pay bill of an employee using multi-level