PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)
BCom DEGREE EXAMINATION DECEMBER 2019
(Second Semester)

Branch **- e-COMMERCE**

FUNDAMENTALS OF C AND C++

Time : Three Hours   Maximum : 75 Marks

SECTION-A (20 Marks!)
Answer **ALL** questions
ALL questions carry **EQUAL** marks   (1 0 x 2 = 20)

1   Write any two advantages of 'C' language.
2   What is header file?
3   List the different types of tokens.
4   Define the term qualifier?.
5   What is constant?
6   Write any two rules for the identifiers.
7   Define class.
8   What are the access specifies in C++?
9   Define static Member function.
10   What is Polymorphism?

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

11 a Write briefly about variables declaration in C language.
OR
   b Write a short note on Pre-defined data types in C language with suitable example.

12 a   Describe the concept of Recursion in C++with an example.
OR
   b Write down the difference between pass by value and pass by Reference methods in C++.

13 a Write any five string Library Functions with an example.
OR
   b   Briefly explain the concept of chain of pointers in 'C' language.

14 a   Define the term "Method ever leading". Explain it with example.
OR
   b How destructors works in C++. Briefly explain it.

15 a Give a short note on Hybrid Inheritance.
OR
   b What is construction Overloading in C++? Explain it.

SECTION - C (30 Marks)
Answer any **THREE** Questions
ALL Questions Carry **EQUAL** Marks (3 x 1 0 = 30)

16   Explain the various types of 'C' operators.

17   Define the term "functions". Explain its types with examples.

18   Give a detailed account on pointes in C.

19   Describe the concept of "Constructors and destructors' in C++.

20   How abstract key word used in class. Explain it in detail.