PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)
BCom DEGREE EXAMINATION MAY 2017
(Third Semester)

Branch - **COMMERCE WITH COMPUTER APLICATIONS**

FUNDAMENTALS OF *C&* C++

Time : Three Hours   Maximum : 75 Marks
SECTION-A (20 Marks)
Answer **ALL** questions
ALL questions carry **EQUAL** marks   (10 x 2 = 20)

1 What is variables?
2 List out the various operators.
3 Write the syntax for switch statement.
4 Define Basic Input & output statements.
5   Define structure.
6 How will you declare pointer variable?
7 State any 5 benefits of oop's.
8 Write a note on public member function.
9 What is Hybrid Inheritance.
10 What is pure- virtual functions.

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

11 a Write short notes on structure of c program.
OR
b Write the steps For executing a 'c' program with example.

12 a Explain about recursion with example.
OR
b Explain about functions in detail.

13 a List and define any five string library functions.
OR
b Explain the Dot operator with example.

14 a Explain about expressions & its types.
OR
b Discuss constructor with an example.

15 a Write down the rules for virtual functions.
OR
b Describe multi Inheritance & Hierarchical Inheritance with example.

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

16   Write in detail about operators with example.

17   Explain about string in detail.

18   Discuss structure and union in detail.

19   Explain about overloading with example.

20   Describe the virtual Base class and Abstract class with example.

Z-Z-Z   END