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

Branch - COMMERCE WITH COMPUTER APPLICATIONS

FUNDAMENTALS OF C & C++

Time : Three Hours   Maximum : 75 Marks

SECTIQN-A (20 Marks)
Answer **ALL** questions
ALL questions carry **EQUAL** marks   (10x2"" 20)

1   What are keywords?
2   What is meant by enumerated data type?
3   What is the difference between -—a and an-^{4}-?
4   Define an array.
5   What does * and & operators mean'.'
6   Define structures in C,
    Define encapsulation.
8   What is the use of destructor?
9   What are the types of inheritance?
10 What is pure virtual function?

SECTION - B (25 Marks!
Answer **ALL** Questions
ALL Questions Carry **EQUAL** Marks (5 x5 = 25)

11 a Explain the basic structure of C program.
                        OR
   b List and explain any fine library functions in C.

12 a Distinguish between while and do... while statements in C.
                        OR
   b Mention the various string manipulation functions in C.

13 a What is a pointer? How pointers are declared in C?
                        OR
   b State the differences between structures and unions.

14 a Define token. What are the tokens used in C+W
                        OR
   b Discuss the types of constructors with examples.

15 a Explain polymorphism.
                        OR
   b Discuss virtual functions,

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

16   Explain the various operator.-, supported by the C language.

17   Explain various decision making statement available in C.

18   Write short note on pointers with suitable examples.

19   Discuss the basic concepts of OOPS.

20   Write short note on inheritance with examples.

Z-Z-Z   END