PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)

MCA DEGREE EXAMINATION DECEMBER 2018
(First Semester)

Branch - **COMPUTER APPLICATIONS**

PROGRAMMING IN C

Time: Three Hours   Maximum: 75 Marks
SECTION -A (30 Marks)
Answer **ALL** questions
ALL questions carry **EQUAL** Marks (5 x 6 = 30)

1   a What is the use of conditional operator? Write a program to find the biggest
      of 4 numbers (Use only conditional operator).
                                    OR
     b Discuss an Unary operators.

2   a What are the conditions to be followed in using a looping statements? Write
      a simple program to print the pattern.
                          1
                          2   2
                          3   3   3
                          4   4   4   4

                      N times
                                    OR
     b Demonstrate the use of Switch statement.

     a How will you pass an argument to a function? Give an example for passing
       the reference variable.
                                    OR
     b Expound on the storage classes.

4 a Discuss on pointers.
                                    OR
   b Recommend a program to store and manipulate structure concept.

5 a   Apply the file handling concept and read the content of a file and display it
       in the screen.
                                    OR
   b   Discuss on Bitwise operations.

SECTION -B (45 Marks)
Answer any **THREE** questions
ALL questions carry **EQUAL** Marks (3 x 15 = 45)

6   Analyse the following:
      (i) Symbolic constants
      (ii) Logical operator
      (iii) Assignment operator.

7   Construct the Nested control structure to calculate the sales commission for
      the sales. Give the syntax and explain.

8   Elucidate an Array concent.