PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)
MSc DEGREE EXAMINATION MAY 2018
(First Semester)

Branch –SOFTWARE SYSTEMS
(Five year integrated)

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   Describe the rules to form a variable.
             OR
  b   Explain the conditional operators with example.

2 a   Exemplify the single character output function.
             OR
  b   Discuss on nested control structure with example.

3 a   Elucidate the declaration and accessing of function.
             OR
  b   What is meant by multidimensional array? Explain with example.

4 a   Illustrate the sorting of strings.
             OR
  b   Write short note on dynamic memory allocation.

5 a   Describe uses of register variables with example.
             OR
  b   Discuss on command line argument with example.

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

6   Explain the data types available in C with example.

7   Describe the switch statement function with example.

8   Discuss on the function prototypes and passing arguments to functions.

9   Expound the concept structure with pointers.

10   Exemplify the processing of data file.

Z-Z-Z   END