PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)
BSc DEGREE EXAMINATION MAY 2018
(Fifth Semester)

Branch – MATHEMATICS

ELECTIVE – I PROGRAMMING IN 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 constant?
2   Define keywords.
3   What is operator?
4   List out any four mathematical functions.
5   How reading a single character?
6   Write general format of scanf.
7   Define array.
8   Write general format of initialization of array.
9   Define subprogram.
10   What is pointer?

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

11 a   Explain in details about basic structure of c program.
OR
    b   Discuss about c tokens.

12 a   Write down relational operators.
OR
    b   Elaborate operator precedence and associatively.

13 a   Explain about simple IF statement with example.
OR
    b   Write down output of integer numbers.

14 a   Discuss about Do statement with example.
OR
    b   Describe one dimensional array.

15 a   Why need for user defined functions?
OR
    b   How closing a file? Explain.

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

16   Briefly explain declaration of variables.

17   Give detailed notes on arithmetic operators with example.

18   Discuss about switch statement.

19   Elaborate jumps in loops.

20   Explain about declaring and accessing initializing pointers.

Z-Z-Z   END