

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

Branch - **ELECTRONICS**

**C PROGRAMMING**

Time : Three Hours

Maximum : 75 Marks

**SECTION-A (20 Marks!)**

Answer **ALL** questions

**ALL** questions carry **EQUAL** marks (10x2 = 20)

- 1 List the types of constants in C.
- 2 What is a keyword?
- 3 Define operator.
- 4 Give an example for explicit type conversion.
- 5 What is the syntax of 'for' loop?
- 6 What is meant by one-dimensional array?
- 7 What is a function call?
- 8 State any two advantages of pointer.
- 9 What is a structure?
- 10 How will you close a file in C?

**SECTION - B (25 Marks)**

Answer **ALL** Questions

**ALL** Questions Carry **EQUAL** Marks (5 x 5 = 25)

- 11 a Explain Escape sequence.  
OR  
b Explain integer data type.
- 12 a Define arithmetic operators with example.  
OR  
b Explain simple 'if' structure.
- 13 a Describe do loop.  
OR  
b List out the rules of increment and decrement operators.
- 14 a Write an example code using function without return value.  
OR  
b Explain how will you access a variable through its pointer.
- 15 a How will you define a structure? Explain.  
OR  
b How will you handle group data on files?

**SECTION - C (30 Marks)**

Answer any **THREE** Questions

**ALL** Questions Carry **EQUAL** Marks (3 x 10 = 30)

- 16 Describe the structure of a C program.
- 17 Explain with an example, the 'switch' statement.
- 18 Write a note on increment and decrement operators.
- 19 Demonstrate the function definition with example.
- 20 Discuss array of structures.