

PSG COLLEGE OF ARTS & SCIENCE  
(AUTONOMOUS)  
BSc DEGREE EXAMINATION DECEMBER 2017  
(Third Semester)

Branch - ELECTRONICS

C PROGRAMMING /COMPUTER PROGRAMMING -I (C)

Time : Three Hours

Maximum : 75 Marks

SECTION-A (20 Marks)

Answer ALL questions

ALL questions carry EQUAL marks (30x2 - 20)

- 1 Write any two keywords in C.
- 2 What is the use of '\t' and '\n'?
- 3 Give syntax of do... while statement.
- 4 Distinguish between relational and logical operators.
- 5 Define an array.
- 6 Give the syntax of the for loop statement.
- 7 How will you declare a printer in C?
- 8 Can a function be called from more than one place within a program?
- 9 Define structures.
- 10 List out the various file modes in C.

SECTION - B (25 Marks)

Answer ALL Questions

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

- 11 a White the basic structure of C program.  
OR  
b Explain the various types of constants in C.
- 12 a What are expressions? Write about the evaluation of expressions with examples.  
OR  
b Explain about the goto statement with an example program.
- 13 a How are two dimensional arrays defined and initialized?  
OR  
b Write the C program using one dimensional array.
- 14 a How are functions declared and defined in C?  
OR  
b Explain pointers and advantages of pointers.
- 15 a How is'a structure defined in C? Give an example.  
OR  
b Explain briefly the input functions in files handling.

SECTION - C/30 Marks)

Answer any THREE Questions

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

- 16 How can you get formatted input in C? Explain with example.  
Explain briefly the IF Statement with an example.
- 18 Discuss about the incremental and decremental operators with examples.
- 49 What is a function? Explain the types of functions.
- 20 Explain in detail about reading and writing files in C.

F.ND