

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)
BSc DEGREE EXAMINATION MAY 2018
(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 (10 x 2 = 20)

- 1 What are the purpose of printf function?
- 2 Define I/O statements.
- 3 Write the purpose of if...else statement.
- 4 Define an arithmetic expression.
- 5 What is meant by Looping?
- 6 How to initialize the array with example.
- 7 What is a Pointer? How is a pointer initialized?
- 8 What is the use of Recursive function?
- 9 State any two differences between Union and Structure.
- 10 Write the syntax for structures by using functions.

SECTION - B (25 Marks)

Answer ALL Questions

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

- 11 a What are the various Data types used in C program?
OR
- b Discuss about the include directives.
- 12 a Explain the different types of Type conversion.
OR
- b What are the advantages and disadvantages of Switch statement in C?
- 13 a Explain the difference between While() and do-while() loops with example.
OR
- b How do you declare and use One dimensional array in C.
- 14 a Explain the function with arguments but no return values.
OR
- b List out the advantages of Pointers.
- 15 a Discuss in detail about Structure with structure. Give n example.
OR
- b What is a File? How to declare a file? Explain with example.

SECTION - C (30 Marks)

Answer any THREE Questions

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

- 16 (i) Write the advantages of C.
(ii) Explain about the Keywords.
- 17 Discuss in detail about the operators with a suitable example.
- 18 Write a program to read two matrices A and B and point the following.
(i) A+B (ii) A-B
- 19 How will you declare a Pointer in C?
- 20 Explain different types of Input and Output functions by using files.

Z-Z-Z

END