

PSG COLLEGE OF ARTS & SCIENCE  
(AUTONOMOUS)

MSc DEGREE EXAMINATION DECEMBER 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 Write a C program to find the sum of 'n' numbers.  
OR  
b Explain different operators used in C.
- 2 a Give a detailed note on Gets and Puts function with relevant example.  
OR  
b Briefly explain switch statement with example.
- 3 a What is an array? Explain its types with example.  
OR  
b Explain storage classes with example.
- 4 a Write a detail note on recursive function with example program.  
OR  
b Differentiate between structures and unions.
- 5 a Briefly explain about bit field.  
OR  
b Explain enumerators with example.

SECTION -B (45 Marks)

Answer any THREE questions

ALL questions carry EQUAL Marks (3 x 15 = 45)

- 6 Explain the features of C program.
- 7 Discuss looping statements with necessary C program.
- 8 Write a C program to pass arguments to function and explain.
- 9 How to read, write and delete a string? Explain with relevant example.
- 10 Explain in detail with necessary C program to read and write a data file.