

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)

MCA DEGREE EXAMINATION MAY 2018
(Second Semester)

Branch - COMPUTER APPLICATIONS

OBJECT ORIENTED PROGRAMMING USING 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 Explain the principles of OOPS paradigm.
OR
b Define Recursive Function. Explain with suitable example.
- 2 a Write a short note on Character Array.
OR
b Compare structures and unions.
- 3 a Define Class. Explain the procedure to declare a class.
OR
b Give a brief note on Friend Functions.
- 4 a Define Function Overloading. Explain.
OR
b Write a short note on virtual function,
- 5 a Brief about class templates.
OR
b How to read and write a character from a file? Explain with examples.

SECTION -B (45 Marks)

Answer any' THREE questions

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

- 6 Explain the following :
(i) Conditional statement (ii) Looping statement
- 7 Write a C++ program for 3 x 3 matrix multiplication using Arrays.
- 8 Briefly explain the types of Inheritance.
- 9 Write in detail about operator overloading.
- 10 Explain in detail about Line, Polygon and color selection routine.

Z-Z-Z

END