

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)
BCom DEGREE EXAMINATION MAY 2017
(Second Semester)

Branch - E-COMMERCE

FUNDAMENTALS OF C AND C++

Time : Three Hours

Maximum : 75 Marks

SECTION-A (20 Marks)

Answer ALL questions

ALL questions carry EQUAL marks (10 x 2 = 20)

- 1 Define preprocessor.
- 2 What is keyword?
- 3 What is a control structure?
- 4 Write about return values.
- 5 Define pointers.
- 6 What is union in C?
- 7 Define public access specifier.
- 8 What is overloading?
- 9 Define Inheritance.
- 10 What is polymorphism?

SECTION - B (25 Marks)

Answer ALL Questions

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

- 11 a Give the basic structure of C program.

OR

- b Write about the data types in C.

- 12 a Explain about the switch statement with an example.

OR

- b Describe Function parameters in C.

- 13 a Write about pointer variable.

OR

- b Give a note on Dot operator with example.

- 14 a Write about class in C++.

OR

- b What are constructors?

- 15 a Describe about Multiple inheritance with an example.

OR

- b Depict the importance of Hybrid inheritance with an example.

SECTION - C (30 Marks)

Answer any THREE Questions

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

- 16 Write about keywords and Identifiers in C language.
- 17 Give the importance of arrays and strings.
- 18 Write clearly on the difference between structure and union.
- 19 Write about the basic concepts of OOP.
- 20 Give a detailed note on pure virtual functions.

Z-Z-Z

END