

BCA PAPER-IV

2017

Group A

2. A) Explain the use of keyword “friend” with an example.  
B) What are pointers ? What are the advantages of using pointer in programming ?
3. Differentiate between the following:
  - a) Virtual and pure virtual function
  - b) Multiple inheritance and Multilevel inheritance
  - c) Friend function
  - d) C and C++
4. A) Explain the function overloading with an example.  
B) W.A.P. in C++ to check a given number is prime or not.
5. A) W.A.P. to show the use of ++ operator as pre-increment and post-increment operator.  
B) Explain addressing mode required to access memory locations using pointers.
6. A) What is procedural oriented programming ? What are its main characteristics ?  
B) What is polymorphism ? Explain it with suitable example.

Group B

7. A) Discuss the different types of memory and storage devices.  
B) Draw the block diagram of multimedia and explain it.
8. A) Discuss the use of multimedia in day-to-day life.  
B) Differentiate between Television and Computer display system.
9. A) What is sampling and quantization ? Explain it.  
B) Describe the role of designing and producing in multimedia.
10. A) Explain the significance of multimedia.  
B) What is color space model ? Explain it.
11. A) What are the minimum hardware requirement of multimedia ? Explain it.  
B) Discuss the advantages of optical disks.