

MALINI KISHOR SANGHVI COLLEGE OF COMMERCE AND ECONOMICS

OBJECT ORIENTED PROGRAMMING

F.Y.B.Sc IT

SEMESTER II



N.B: ALL QUESTIONS ARE COMPUSORY WITH INTERNAL CHOICE FIGURES TO THE RIGHT INDICATE FULL MARKS.

SECTION II

Q.2 ANSWER THE FOLLOWING (ANY TWO): 8

- A) Describe themes of object oriented programming
- B) Explain class in C++ with help of a program
- C) Explain data abstraction in C++ with help of a program
- D) Explain polymorphism in C++ with help of a program

Q.3 ANSWER THE FOLLOWING (ANY TWO): 8

- A) Explain member function in C++ with help of a program
- B) Explain friend classes with help of program
- C) Explain pointers to object in C++ with help of a program
- D) Explain constructors in C++ with help of a program

Q.4 ANSWER THE FOLLOWING (ANY TWO): 8

- A) Describe function overloading with help of program
- B) Describe overloading of ++ operator with the help of a program
- C) Describe the conversion between objects and basic data types with the help of a program
- D) Describe virtual function with the help of a program

Q.5 WRITE SHORT NOTES ON THE FOLLOWING (ANY TWO): 8

- A) Access specifiers
- B) Multiple inheritance
- C) Advantages of Containership
- D) Concept of throw and catch

Q.6 ANSWER THE FOLLOWING (ANY TWO): 8

- A) Explain concept of class template with help of a program
- B) Explain various file operations
- C) Explain file pointers with help of a program
- D) Explain the manipulation of file pointers