Time: 1 hr.   Marks:30

Note: 1. All questions are compulsory.
                    2. Draw neat diagrams wherever necessary.
                    3. Figures to the right indicate full marks.

Q.1   Answer the following. (Any TWO)   [15]
        (a) Explain the principles of OOP.   08
        (b) What is class and object? Illustrate with suitable programming example. 07
                                    OR
        (c) What is constructor? Explain its types.   08
        (d) Describe the types of inheritance.   07
                                    OR

Q.2   Answer the following. (Any TWO)   [15]
        (a) Explain unary operator overloading with suitable example.   08
        (b) Write a short note on virtual function   07
                                    OR
        (c) What is exception handling? Explain with try-catch block.   08
        (d) Explain the following functions used for file management.   07
            1. seekg()   2.seekp()
            3. tellg()   4.tellp()
                            ---X---X---