



**Module-4**

- 7 a. Define package. Describe the various levels of access protection for packages and their implication. (06 Marks)
- b. What is interface? Explain how to define, implement and assign variable in interface. (08 Marks)
- c. Explain how to create user defined exceptions with the help of a Java program. (06 Marks)

**OR**

- 8 a. Explain the role of interface in implementing multiple inheritance in Java. (08 Marks)
- b. Define Exception. Explain how Java exception handling is managed by the five keywords with the help of Java programs. (12 Marks)

**Module-5**

- 9 a. What is enum? Write a Java program to demonstrate values() and valueOf() methods. (06 Marks)
- b. Write a Java program to sort string elements using bubble sort. (08 Marks)
- c. Explain the following with syntax:
- (i) charAt()
  - (ii) toCharArray()
  - (iii) concat()
- (06 Marks)

**OR**

- 10 a. What is an Applet? Write a Java program to create a simple Applet and explain the two ways in which you can run an Applet. (10 Marks)
- b. Write a Java program to copy a file called FIRST.TXT to a file called SECOND.TXT. Use the following command line
- ```
java CopyFile FIRST.TXT SECOND.TXT
```
- (10 Marks)

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