

FE | sem - II (N) 8/12/12
C.P. II

2nd Half-12 mina-(c)-85

Con. 8850-12.

KR-3600

(3 Hours)

[Total Marks : 100

- N. B. :** (1) Question No. 1 is **compulsory**.
(2) Solve any **four** questions out of **remaining**.

1. (a) Justify "Java language is 100% object oriented programming language. 4
(b) Explain shift operator by giving example. 4
(c) Describe multidimensional array. 4
(d) What is main Thread ? 4
(e) Describe Applet Skeleton. 4
2. (a) Write a program to demonstrate the use of command line Arguments. 5
(b) Write a program to add the list of items using vector and delete an item in the list according to user's choice. 5
(c) What is difference between overloading and overriding ? 5
(d) Describe AWT Classes. 5
3. (a) Write a program to display following tree : 5
 * * * * *
 * * *
 * *
 *
(b) What is accessibility of the public method or field inside a non public class ? 5
(c) Describe static keyword by giving example. 5
(d) Write a program to demonstrate access protection in different packages. 5
4. (a) In a method invocation, does Java pass argument by reference or by value. 10
(b) Describe constants in interfaces along with example. 5
(c) How to use package and its naming convention ? 5
5. (a) Write a program to display whether the inputted number is prime or not. 5
(b) Describe throw and throws statement by giving example. 5
(c) Write a program to create Thread by extending 'Thread Class'. 5
(d) Write a program to check the font name and font size of string by passing parameters to applet. 5
6. (a) Write a program to open "note pad" using Java application program. 5
(b) Write a program for matrix addition. 5
(c) Write a program to demonstrate try and multiple catches. 5
(d) What is meaning of monitor with respect to synchronization ? 5
7. (a) Write a program to demonstrate overloaded constructor. 5
(b) Describe the different methods of vector class. 5
(c) Write a program to demonstrate multiple inheritance. *Single* 5
(d) List the names of packages along with its Classes and Methods. 5