F.E. (All branch) Sem II
Computer Programming - II

Con. 6043-09.   5819-09.   SP-8442 SP-6519

Lib

(3 Hours)   [Total Marks : 100

21/12/09
10:30 to 1:30

N. B. : (1) Question No. **1** is **compulsory**.

(2) Attempt any **four** questions out of remaining **six** questions.

1. (a) Write short note on :—   **10**
      (i)   Features of Java
      (ii) Java Virtual Machine (JVM)
    (b) Write a program to print the following pattern.   **10**

```
    *  *  *  *  *
       *  *  *  *
          *  *  *
             *  *
                *
```

2. (a) What is command line argument ? Write a program to find largest of three   **10**
         integers accepted from command line.
    (b) Write a program to capitalize the first character of each word from a given   **10**
         sentence (example : all the best → All The Best).

3. (a) Explain Exception handling mechanism in JAVA.   **10**
    (b) Write a program to search an integer in an Array of integers.   **10**

4. (a) Explain Interface and use of Interface with example.   **10**
    (b) Write a program to accept student names from the command line and store them   **10**
         in vector.

5. (a) Explain Thread life cycle and explain any five methods of class Thread.   **10**
    (b) Write a program to print / * / * / * / * / * / using two child thread.   **10**
         (hint : One thread responsible for printing* and another for/)

6. (a) What is the difference between application and applet. Write an applet to   **10**
         display the following.

    (b) Explain life cycle of an applet and demonstrate how to pass parameter to an applet.   **10**

7. Write short notes (any **four**) :—   **20**
      (a) Wrapper Classes
      (b) Access protection in Java
      (c) String Buffer Class
      (d) Abstract Class
      (e) java.util.package.