MCA (Revised)

Term-End Examination

December, 2009

MCS-024 : OBJECT ORIENTED TECHNOLOGIES AND JAVA PROGRAMMING

06244

Time : 3 hours   *Maximum Marks : 100*

Note :   *Q. No. 1 is compulsory. Attempt any three questions from the rest.*

1.   (a)   How does java handle event ?   8

Write a program in Java to capture an event generated by keyboard.

   (b)   Write a program to generate a line in an   4
applet ?

   (c)   Explain Java Thread Model along with   6
priorities

   (d)   Write *any four* methods involved in output   8
stream class.

   (e)   Discuss the throwabte class hierarchy for   6
handling exceptions in Java

   (f)   Differentiate between superclass and   8
subclass. Also write a program to show the
reusability concept.

2. (a) Explain the differénces between Swing and AWT. Also, write the advantages of swing based GUI **10**

   (b) Write a program describing the usage of multidimensional array. **6**

   (c) Explain the usage of iterative statements (for, do-while) using programs. **4**

3. (a) Why the public and static keywords are used in "public static void main ()" ? Explain. **5**

   (b) What are the benefits of OOPS ? **5**

   (c) Explain Applet life cycle along with methods used with it, what are those components of an event used with AWT. **10**

4. (a) Explain the usage of Abstract classes. **5**

   (b) What is the relation in interface and inheritance ? Also, explain how multiple inheritance can be implemented using interface. **8**

   (c) Write a Java program to copy the text contents of one file into another file. **7**

5. (a) Explain access control used in Java with all types of specifiers characteristics. Also, give an example for each. **10**

   (b) Write client and server programs in Java to show the tcp connection establishment and data transfer. **10**

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