

MAY 2013

Roll No.

Total No. of Pages : 02

Total No. of Questions : 09

M.Sc.(IT) (Sem.-4th)

ADVANCED JAVA PROGRAMMING

Subject Code : MS-404

Paper ID : [B0318]

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTION TO CANDIDATES :

1. SECTIONS-A, B, C & D contains TWO questions each carrying TEN marks each and students has to attempt any ONE question from each SECTION.
2. SECTION-E is COMPULSORY carrying TWENTY marks in all.
3. Use of non-programmable scientific calculator is allowed.

SECTION-A

1. Discuss the main features of the Java AWT package. Explain its components.
2. Describe the details in event handling.

SECTION-B

3. Explain the life cycle of a thread.
4. Explain with an example how Java performs thread Synchronization.

SECTION-C

5. Write about different statements available in JDBC. Explain the difference statement and prepared statement.
6. Write note on followings :
 - (a) TCP/IP Sockets
 - (b) UDP Sockets

SECTION-D

7. What are the differences between HttpServlet and GenericServlets?
8. Explain the life cycle of Servlets.

SECTION-E

9. (a) Outline different ways in which an applets is executed.
 - (b) Discuss the main advantages of Servlets in Java.
 - (c) What is the use of Unicast Remote Object in the remote interface implementations?
 - (d) What are marshalling and unmarshalling of parameters?
 - (e) What is an I/O Streams in Java?
 - (f) What is a Daemon threads?
 - (g) How to define a Sockets in Java?
 - (h) What are the steps to be followed in sequence to run the RMI application?
 - (i) How to specify the security policies in RMI?
 - (j) Define the following :
Panel and Window.

