Exam. Code   : 208604
Subject Code :   4140

M.Sc. Information Technology 4th Semester
ADVANCED JAVA TECHNOLOGY
Paper—MIT–401

Time Allowed—3 Hours]   [Maximum Marks—100

Note :— Attempt any **five** questions. **All** questions carry equal marks.

1. (a) How and when do you create a thread using Runnable Interface ?

    (b) What is the purpose of Join( ) method ?

2. What is a Thread Priority ? How can you assign priority to a thread ?

3. What is the purpose of File Clause ? Discuss the various constructors used for constructing File Objects.

4. (a) How one can add colors to a GUI Program ? Discuss.

    (b) What is a Font Metrics ? Discuss the purpose of various methods of Font Metric Class.

5. (a) Using a program, discuss how action events are handled.

    (b) How are mouse events handled ? Discuss.

6. (a) Discuss the Applet class hierarchy.

    (b) How can you pass parameter to Applets ? Explain with examples.

7. (a) Using an example, explain the steps of creating a servlet.

   (b) Write an HTML form that prompts the user to enter loan amount, Interest rate and number of years. Then invoke the servlet to computer and display the monthly total loan payment.

8. (a) Using an example, discuss how can you handle form data using HTTPPostRequest.

   (b) How is session tracking done using Servlet API ?