

Exam. Code : 208604
Subject Code: 8396

M.Sc. (Information Technology) Semester—IV
ADVANCED JAVA TECHNOLOGY
Paper—MIT-401

Time Allowed—3 Hours]

[Maximum Marks—100

Note :— Attempt any FIVE questions.

1. (a) Write a program to read a string from console and write it to a given file. State your assumptions, if any, to so.
(b) What is serialization ? Explain with example. 10,10
2. (a) Write a program in java to count and print the number of 1's in given byte.
(b) Describe the features of Print Writer class. 10,10
3. (a) Write a program to create a thread and print its name & priority.
(b) Explain the states of a JAVA thread. 10,10
4. (a) What is thread synchronization ? Explain with suitable example.
(b) What is thread group ? What is the need to create such a group ? 10,10

5. (a) What do you understand by architecture of JAVA Applet ?
- (b) Describe the steps to create and execute a JAVA Applet. 10,10
6. (a) How is any Event handled ? Explain with an example.
- (b) Describe the Event Class briefly. 10,10
7. (a) Describe the life cycle of a Servlet.
- (b) How is session tracking done in JAVA ? Explain. 10,10
8. Write short notes on any **TWO** of the following :—
- (a) Byte Stream Handling in JAVA
- (b) Thread Priorities
- (c) Cookies. 10,10