

Exam. Code : 208604

Subject Code : 5307

**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. What is thread ? Describe the complete life cycle of a thread.
2. Write short notes on :
 - (a) Interthread communication
 - (b) Thread priorities.
3. Discuss the architecture of a Java Applet. Draw the life cycle of Java Applet and explain it.
4. (a) How is an event handled ? Explain with example.
(b) Briefly describe the Event Class.
5. What is thread synchronization ? Explain with suitable example.
6. Briefly explain :
 - (a) Serialization
 - (b) Print writer class.
7. Discuss the life cycle of a Servlet.
8. Write short notes on :
 - (a) Byte stream handling in Java
 - (b) Session Tracking.