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Exam. Code : 206703 Subject Code : 3681

M.Sc. Computer Science 3rd Semester CONCEPT OF CORE AND ADVANCED JAVA Paper : MCS-304

Time Allowed—3 Hours] [Maximum Marks—100

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

- 1. What are Java Beans ? Explain Bean writing process. Discuss how to build an application with beans.
- 2. Explain Inheritance and Exception handling in Java with suitable examples.
- 3. Describe applet architecture. Write Applet program to handle mouse events.
- 4. What are the different Control statements in JAVA ? Explain with suitable examples.
- 5. Describe the Life Cycle of Thread. Explain with an example how Java performs Thread Synchronization.
- 6. What is polymorphism in Java ? How will you implement polymorphism with suitable example ? Also write the use of interfaces.

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- 7. What is difference between multithreading and multitasking ? Explain life cycle of a thread in Java.
- 8. Write short notes on :
 - (a) Parameter Passing
 - (b) Object Oriented Programming
 - (c) Java Virtual Machine
 - (d) Telnet in Java.

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