

ID. No. 24469

B.Tech. 7th Semester F-Scheme CSE/IT-VI

Examination, May-2014

ADVANCED JAVA

Paper-CSE-409-F

Time allowed : 3 hours] [Maximum marks : 100

Note : There are **nine** questions in the paper. **Q.No. 1** is **compulsory** which consists of **10** short answer type questions, each of **2** marks covering the entire syllabus. In addition to **Q. No. 1**, students are to attempt **four** more questions selecting **one** question from each section.

1. (a) What is garbage collection ? 10×2=20
(b) What are user defined exceptions in java ?
(c) What are the differences between swing and AWT ?
(d) What are digital signatures ?
(e) What is JDBC ?
(f) What is Remote method Invocation ?
(g) What is naming pattern for java bean ?
(h) What URL ?

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Section-A

2. (a) What is an Applet ? Write a programme and discuss the creation and execution of it. 15
- (b) What is exception handling ? 5
3. (a) What is a socket ? Describe different types of sockets. What are the applications of socket programming? 10
- (b) What is Multithreading ? Can we restart stopped thread in Java ? Explain Synchronization and interthread communication with example. 10

Section-B

4. (a) What is the life cycle of a servlet ? Write a programme and explain the procedure of compilation. 15
- (b) Explain installation of LDAP. 5

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Section-C

6. What do you mean by swing ? Explain various components of swing with examples. 20
7. Illustrate the following with example : 7+7+6
- (a) Rendering Pipeline
 - (b) Coordinator Transformations
 - (c) Image manipulation

Section-D

8. Write short notes on the following :
- (a) Encryption
 - (b) Using beans to build application
9. Explain the following : 7+7+6
- (a) Advantages of java beans
 - (b) Types of java beans
 - (c) Java beans properties