

Roll No. ....

**24469**

**B. Tech. 7th Semester  
(Information Technology)  
Examination – December, 2012**

**ADVANCED JAVA**

**Paper : CSE-409-F**

**Time : Three hours ] [ Maximum Marks : 100**

*Before answering the questions, candidates should ensure that they have been supplied the correct and complete question paper. No complain in this regard, will be entertained after examination.*

**Note :** Question Number 1 is *compulsory*. Attempt any *five* questions taking at *least one* question from each Section. All question carry equal marks.

1. (a) What is unchecked exception?  $2 \times 10 = 20$
- (b) How method is different from constructor?
- (c) Differentiate between URL and URI.
- (d) What is metadata?
- (e) Define LDAP. How LDAP directory keeps its data?

- (f) Define Parameter Marshalling.
- (g) What are Tabbed panes?
- (h) What is a Customizer ?
- (i) Draw class loader hierarchy diagram.
- (j) What is difference between certificate signing and Code signing?

### SECTION – 1

- 2. (a) What is inheritance? Explain various types of inheritance with examples. 10
- (b) What is Applet? How it is useful? Explain with the help of example. 10
- 3. What do you mean by making URL connections? Discuss the classes the Java library provides for this purpose. Also explain how you can use a URL connection class to retrieve information. 20

### SECTION – 2

- 4. (a) Explain Row sets and cached row sets by giving suitable example. 10
- (b) What is JDBC? Explain various classes of JDBC drivers. Also write typical uses of JDBC. 10
- 5. (a) Explain the role of Client and Server in distributed programming by examples. 10

- (b) Explain concept of remote method calls with SOAP by giving suitable examples. 10

### SECTION – 3

6. (a) How can you insert and remove list values ? Explain with help of example. 10
- (b) Write a detailed note on Text components with the help of examples. 10
7. (a) Explain the importance and use of strokes in AWT with help of examples. 10
- (b) Write short note on : 10
- (i) Image Manipulation
  - (ii) Drag and Drop

### SECTION – 4

8. (a) Explain the bean writing process by example. 10
- (b) Explain various bean property types by giving example of each type. 10
9. Write detailed notes on the following :  $2 \times 10 = 20$
- (i) Digital Signatures
  - (ii) Encryption
-