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 is 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 ?

   (i)   What is LDAP ?

   (j)   What is Java IDL ?

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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

5. (a) What are the differences between RMI and CORBA ? Create an application using RMI.   10

(b) Write steps for JDBC installation.   10

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

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B.Tech. 7th Semester (CSE)
Examination, December–2015

ADVANCE JAVA
Paper–CSE-409-F

Time allowed : 3 hours]   *[Maximum marks : 100*

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

Note :   *Attempt five questions. **Question No. 1 is compulsory.** Select one question from each section.*

1. (a) How to declare method ?

    (b) In what way does a switch statement differ from if statement.

    (c) What is Row set ?

    (d) What is progress indicator ?

    (e) What do you mean by encryption ?

Section–A

2. (a) What is Exception ? List some of the most common type of exception that might occur in Java. Explain how to deal with exception.

    (b) What are various data type used in JAVA language ? Illustrate their declaration.

(2)

3. (a) What is socket ? Describe different type of socket ? What are the application of socket programming.

(b) Explain the method of making URL connections.

Section-B

4. (a) What is RMI ? How parameters are passed in remote Methods ?

(b) Explain :
   (i) Java IDL
   (ii) CCRA

5. (a) What is JDBC ? Explain various class of JDBC drivers ? Also write typical use of JDBC.

(b) What do you mean by LDAP ? Explain.

Section-C

6. (a) What do you mean by swing ? Explain various component of swing with example.

(b) How to implement list and tree using java swing ? Explain with example.

7. Explain the following with reference to AWT:
   (i) Strokes
   (ii) Clipping
   (iii) Image Manipulation
   (iv) Rendering Hints.

(3)

Section-D

8. Explain the following :
   (i) Byte code Verification
   (ii) Digital signature

9. What do you mean by beans ? What are the naming patterns for beans and events ? How to build an application using Beans ? Explain with example.

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B. Tech. 7th Semester (CSE)
Examination – December, 2016

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 complaint in this regard, will be entertained after examination.

Note : Question No. 1 is *compulsory* and the students have to attempt *one* question from each of four Unit. So, students will have to attempt *five* questions out of nine questions.

1. Differentiate between following : $4 \times 5 = 20$

   (a) Overloading and Overriding.

   (b) Type-2 and Type-3 drivers.

(c) Swing and AWT.

(d) Encryption & Digital signature.

UNIT – I

2. (a) Describe Polymorphism with the help of program.   10

   (b) Explain life cycle of Applet.   10

3. Write a program to pass the message between client and server.   20

UNIT – II

4. (a) Describe LDAP in detail.   10

   (b) Describe JDBC & its type.   10

5. (a) Explain SOAP & CORBA.   10

   (b) Explain RMI and its applications.   10

UNIT – III

6. (a) Describe tables and write a program to implement a table with the help of Swing package.   10

   (b) Differentiate between List and combo box.   10

7. Explain the following : $4 \times 5 = 20$

   (a) Strokes

   (b) Clipping

   (c) Clipboard

   (d) Rendering pipelines

UNiT – IV

8. (a) How to create Jar file ?   10

   (b) Explain Bean Development Kit.   10

9. Explain the following :

   (a) Byte code verification.   7

   (b) Security manager & permissions.   7

   (c) Class loader.   6

B. Tech. 7th Semester (IT) F-Scheme Examination,

December–2017

ADVANCED JAVA

Paper–CSE–409 -F

Time allowed : 3 hours]   *[Maximum marks : 100*

Note :   ***Question No. 1 is compulsory.* Attempt *five*** questions in total selecting **one** question from each unit.

1.   (a)   What is an exception ?   8×2½=20

     (b)   What are advantages of Java Sockets ?

     (c)   Define LDPA. How LDPA directory keep its data ?

     (d)   Define parameter marshalling.

     (e)   What are the different features of Java bean ?

     (f)   What are tabbed panes ?

     (g)   Name any six tools available in AWT.

     (h)   What is difference between certificate signing and code signing ?

Section–A

2.   (a)   What is inheritance ? Explain various types of inheritance with example.   10

     (b)   What are Applets ? Explain their usage. How they are different from java programs ?   10

3. (a) What is multithreading ? Mention its advantages and write a program that implements multithreading. 10

   (b) What is a socket ? Describe different types of sockets. What are the applications of socket programming. 10

Section–B

4. How parameters are passed in Remote Methods ? Explain various remote Method calls with SOAP. 20

5. Write notes on :

   (a) Query Execution 20

   (b) CCRA

   (c) JDBC

   (d) LDAP

Section–C

6. Explain following with reference to AWT : 20

   (a) Co-ordinate transformation

   (b) Image manipulation

   (c) Drag and Drop

7. Explain the importance and use of strokes in AWT with the help of examples. 20

Section–D

8. (a) Explain the bean writing process by example. 10

   (b) What are the purposes of introspection in Java Bean ? Explain why is not a Bean an Applet ? 20

9. Write notes on (any *two*) : 20

   (a) Security managers and permissions

   (b) Digital signatures

   (c) Byte Code verification

B.Tech. 7th Semester (F) Scheme (IT) Examination,

December-2018

ADVANCED JAVA

Paper-CSE-409-F

Time allowed : 3 hours]   *[Maximum marks : 100*

Note : *Attempt **five** questions selecting **one** question from each section. **Question no. 1 is compulsory.***

1. Write short notes on the following: 20

   (a) What is socket ? How socket plays an important role in connecting to server ?

   (b) Define array. Explain use of array with example.

   (c) Define bean. Explain the steps for bean writing process.

   (d) What is the role of client and server ?

Section-A

2. (a) Define control statements. Write a program to show the use of FOR and WHILE loop.   10

   (b) Define Inheritance. Explain types of Inheritance in Java. How we can implement Multiple Inheritance in Java with example.   10

3. (a) Explain the implementation of Client and Server with example.   10

(b) Explain the mechanism for making an URL connection.

Section-B

4. Briefly explain :   20

   (a) Introduction to LDAP

   (b) Transactions

   (c) Scrollable and Updatable Result Sets

   (d) JAVA IDL & CORBA

5. (a) Describe the design of JDBC.   5

   (b) Explain the JDBC programming concept in detail.   15

Section-C

6. (a) Explain the concept of using swings with the help of program.   10

   (b) Describe the concept of AWT with the help of program.   10

7. Explain the following :   20

   (a) Progress indicator in swing

   (b) Shapes & Areas in AWT

   (c) Coordinate Transformations

Section-D

8. (a) What are property editors ? Explain various types of property editors in detail.   10

   (b) Explain how beans can be used to build an application with example.   10

9. Briefly explain the following :   20

   (a) Digital Signatures

   (b) Byte code verification

   (c) BeanInfo class

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B. Tech. 7th Semester (CSE)
Examination – June, 2016

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 complaint in this regard, will be entertained after examination.

Note :   Question No. 1 is *compulsory* and the students have to attempt *one* question from each of four Sections. Thus students will have to attempt *five* questions out of 9 questions.

1. Explain the following :   5 × 4 = 20

    (a) Inheritance

    (b) RMI

    (c) Rendering pipeline

    (d) Java Beans

SECTION – A

2. (a) Explain arrays and its types with the help of an example.   10

(b) Differentiate between exception and error. Also explain how to handle exception at run time with an example.   10

3. (a) Explain the implementation of client server with the help of a program.   10

(b) Write about advance socket programming in detail.   10

SECTION – B

4. (a) Describe JDBC and its types.   10

(b) Define Transaction in detail.   10

5. Explain the following :

(a) Application of RMI.   10

(b) CORBA and SOAP.   10

SECTION – C

6. Design an Interface of a scientific calculator with the help of swing package.   20

7. Explain the following :   4 × 5 = 20

(a) Shapes

(b) Areas

(c) Strokes

(d) Paint

(e) Coordinate transformation

SECTION – D

8. (a) Explain Bean development kit.   10

(b) How to create a jar file ?   10

9. Explain the given below :   5 × 4 = 20

(a) Class loader

(b) Digital signature

(c) Eucryption

(d) Code signing