24469

B.Tech. (IT) 7th Semester
Examination, March-2021

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 :– Attempt *five* question in all, selecting at least *one* question from each Section. Question No. **1** is compulsory.

1. Explain the following :

    (a) RMI

    (b) JAVA Beans

    (c) Type-2 and Type-3 drivers

    (d) Encryption and Digital signature   5×4=20

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 the various data type used in JAVA Language ? Illustrate their declaration.

   10,10

3. (a) Explain Arrays and its types with the help of an example.

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

Section–B

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

   (b) Explain the following :

   (i) Java IDL

   (ii) CCRA   10,10

5. (a) Explain SOAP and CORBA.

   (b) Explain RMI and its applications.   10,10

Section–C

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

7. Explain the following :

   (a) Rendering pipelines

   (b) Clipboard

   (c) Strokes

   (d) Coordinate transformation   20

Section–D

8. (a) How to create Jar File ?

   (b) Explain Bean Development Kit.   10,10

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

   20