BCACAC 314

Credit Based Fifth Semester B.C.A. Degree Examination, Nov./Dec. 2015
(New Syllabus) (2014-15 Batch Onwards)
JAVA PROGRAMMING

Time : 3 Hours   Max. Marks : 100

Note : *Answer **any ten** questions from Part – **A** and **any one** full question from **each** Unit in Part – **B**.*

PART – A   (10×2=20)

1. a) What is polymorphism ?

   b) List different integer data types available in Java.

   c) Write a for loop to display even numbers between 1 and 100.

   d) What are classes and objects ?

   e) What is the use of finalize ( ) method in Java ?

   f) Write the syntax for defining a one dimensional array in java.

   g) List any four API packages of Java.

   h) How to assign priority to thread ? What is the default priority ?

   i) Differentiate the keywords throw and throws.

   j) Write the syntax of applet tag.

   k) What is the purpose of repaint ( ) method ?

   l) What is a listener ?

PART – B

Unit – I

2. a) Explain the while and do.. while statement with syntax and an example.

   b) Explain the process of reading string from the keyboard with suitable example.

   c) Write a note on Java streams.   (8+6+6)

3. a) List and explain arithmetic and logical operators in Java.

   b) List and explain different primitive data types available in Java.

   c) Explain any three forms of for loop with suitable examples.   (6+6+8)

Unit – II

4. a) What is a class ? Explain how objects are created from a class in Java with a suitable program example.

   b) Explain method overriding with suitable example.

   c) Explain how to return an object from a method with suitable example.   (8+6+6)

5. a) What is method over loading ? Explain with a suitable example.

   b) Explain the use of command-line arguments in Java with suitable example.

   c) Explain single inheritance with suitable example.   (8+6+6)

Unit – III

6. a) Explain how to create and implement interface using suitable example.

   b) List and explain any 6 built-in exceptions of Java.

   c) Explain how to create user defined exceptions in Java with example.   (8+6+6)

7. a) Explain the process of creating a thread by using thread class with suitable example.

   b) Illustrate the use of multiple catch statements with suitable example.

   c) Explain exception handling in Java with suitable example.   (8+6+6)

Unit – IV

8. a) Explain how to create an Applet in java with suitable example.

   b) List and explain the components of Delegation Event Model.

   c) Explain the advantages of Swing.   (8+6+6)

9. a) Explain how to pass parameter to an applet with a suitable example.

   b) List and explain different Event Listener Interfaces.

   c) Mention the purpose of different layout managers available in Swing.   (8+6+6)