B.C.A. (Part–III) Semester–V Examination

CORE JAVA

Paper–5 ST1

Time : Three Hours]   [Maximum Marks : 60

Note :— (1)   All questions are compulsory.

(2)   All questions carry equal marks.

1.   (a)   What are the datatypes in Java ? Explain.

(b)   Explain Command Line argument with example.

OR

2.   Explain following terms :

(i)   JVM

(ii)   Platform Independent

3.   (a)   Write a program to count vowels in string.

(b)   What is constructor ? Explain constructor overloading in detail.

OR

4.   (a)   Explain with suitable example :

(i)   this Keyword

(ii)   Abstract class

(b)   Explain types of Inheritance in Java.

5.   (a)   What is package ? How to define package ? Explain.

(b)   What is Interface ? How to implement the Interface ? Explain.

OR

6.   (a)   Explain variable declaration in interfaces with example.

(b)   What is Package ? Explain the procedure of defining packages in Java.

7.   (a)   Explain :

(i)   Try Block

(ii)   Catch Block

(b)   Write procedure to Create a thread in Java.

OR

8. (a) Explain thread cycle with diagram.

   (b) Explain :

      (i) Nested Try Statement

      (ii) Multiple Catch Blocks

9. (a) Explain mouse and keyboard events.

   (b) Explain :

      (i) Button Class

      (ii) Text area

      (iii) Label

OR

10. (a) Explain how GUI objects are placed in Applet, with suitable example.

    (b) What is Layout Manager ? Explain its types.