Bachelor of Science (B.Sc.I.T.) (C.B.S.) Semester–IV Examination

JAVA PROGRAMMING

Paper–II

Time : Three Hours]   [Maximum Marks : 50

Note :— (1) All questions are compulsory and carry equal marks.

(2) Draw neat and labelled diagram wherever necessary.

EITHER

1. (A) Write a program in JAVA for calculating factorial.   5

(B) Write down the features of JAVA.   5

OR

(C) Write a short note an datatypes in JAVA.   5

(D) Demonstrate the use of "FOR LOOP".   5

EITHER

2. (A) What are Interfaces ? Why is the need of interface in JAVA ?   5

(B) Explain method overloading in JAVA.   5

OR

(C) What is an array ? Write a program in Java to sort an array using bubble sort.   5

(D) Explain Java Class Library.   5

EITHER

3. (A) What is Applet ? Explain how it is different from a Gerenal/Frame application.   5

(B) What is the use of import statement in JAVA ? Explain classpath in short.   5

OR

(C) Explain life cycle of thread.   5

(D) Explain the relationship of private class package. Illustrate giving suitable example. 5

EITHER

4. (A) Explain Input and Output Stream. 5

   (B) What is layout manager ? Explain the use of layout manager. 5

   OR

   (C) Explain various components available in AWT package. 5

   (D) Write a program in Java using frame object to display a menu. "File" with menu items 'New', 'Open', 'Close' and Exit. 5

5. Attempt all :

   (A) What are JAVA tokens ? 2½

   (B) Write down the syntax for do-while loop in JAVA. 2½

   (C) What is PARAM in JAVA ? 2½

   (D) What are the supports for GUI in JAVA ? 2½