

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 on 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 General/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