Bachelor of Science (B.Sc. I.T.) Semester–IV Examination
JAVA PROGRAMMING
Paper–II

Time : Three Hours]   [Maximum Marks : 50

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

(2) Draw neat and labelled diagram wherever necessary.

EITHER

1. (a) Explain the features of Java in detail.   5

(b) Differentiate between Applet and Application.   5

OR

(c) Explain JVM and Execution routine of Java Program.   5

(d) Which data types are supported by Java ? Explain typecasting with example.   5

EITHER

2. (a) Explain the terms :

(i)   Class

(ii) Object

(iii) Class member with example.   5

(b) What are the access specifier supported by Java ? Explain their scope.   5

OR

(c) How array is declared ? Explain the types of arrays supported by Java.   5

(d) Explain Interface and its use in detail.   5

EITHER

3. (a) What do you mean by package ? Explain Java API packages.   5

(b) Explain life cycle of applet with example.   5

OR

(c) What do you mean by thread ? Explain priority thread in detail.   5

(d) What is exception ? What are predefined exception ? Explain in detail.   5

EITHER

4. (a) What is event ? How events are handled in Java ?   5

(b) Write a program in Java to fill a rectangle.   5

OR

(c) Write an applet to read value from text box and display it.   5

(d) Explain stream classes supported by Java.   5

5. Attempt all :

(a) What are the rules of declaring variable ?   2½

(b) What do you mean by abstract class ?   2½

(c) Explain paint( ) in detail.   2½

(d) Explain the use of finally statement in exception handling.   2½