Bachelor of Computer Applications (B.C.A.) Semester–VI Examination
PROGRAMMING IN JAVA
Paper–2

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 Oops features of Java programming language.   5

     (b) Differentiate between Applet and Console/Frame based application.   5

OR

     (c) What is array ? How can we initialize array in Java ?   5

     (d) Explain the data types supported by Java with example.   5

EITHER

2.   (a) Explain the concept of method overloading with example.   5

     (b) What are the access specifiers supported by Java ? Explain friendly access specifier in detail.

5

OR

     (c) Explain with example : Single Inheritance.   5

     (d) What is Interface ? Why is it needed ?   5

EITHER

3.   (a) Explain the concept of package. How can we create our own package ?   5

     (b) What is Applet ? Explain applet life cycle in detail with example.   5

OR

     (c) What do you mean by Thread ? Explain the concept of multithreading with example.   5

     (d) What do you mean by exception ? How can we handle it ?   5

EITHER

4. (a) What is event ? Explain event handling in detail with example. 5

   (b) Explain graphics object and designing with Java. Design an application to draw a filled circle using Java. 5

   OR

   (c) Explain different types of Layout Managers. 5

   (d) What is container ? Explain frame container and its methods. 5

5. Attempt all :

   (a) Write the rules to declare a variable in Java. 2½

   (b) What are the built-in packages supported by Java ? 2½

   (c) What is the use of extends and implements keyword ? 2½

   (d) Explain any two methods of Font class. 2½