Bachelor of Science (B.Sc. I.T.) Semester–IV (C.B.S.) 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 terms :
   (i)   Jdk
   (ii) Jvm
   (iii) Byte code.   5

   (b) What operators are supported by Java ? Explain.   5

   OR

   (c) Explain the following statement : public static void main (String args[ ]).   5

   (d) What is the difference between Applet and Application ?   5

   EITHER

2. (a) What do you mean by object ? How objects are initialized ? How class members can be accessed using object ?   5

   (b) Explain the concept of overloading and overriding with example.   5

   OR

   (c) What is inheritance ? Explain the types of inheritance supported by Java.   5

   (d) What is interface ? How interface can be extended ? Give example of interface.   5

   EITHER

3. (a) What are user defined packages ? How to create our own package ?   5

   (b) What is applet ? Explain the features of applet.   5

   OR

   (c) Explain life cycle of thread in detail.   5

   (d) What is exception ? How exceptions are handled ? Explain with the help of example. 5

   EITHER

4. (a) Explain the use of Action listener in detail.   5

   (b) What is AWT ? What are the classes supported by AWT ?   5

   OR

   (c) What is the use of layout manager ? Explain different layouts.   5

   (d) Write a program to draw a circle and fill it with green color.   5

5. Attempt **All** :
   (a) What do you mean by final class ?   2½
   (b) Write a short note on thread priority.   2½
   (c) Explain Param tag in applet.   2½
   (d) Which class is required to create Pop-up menu ?   2½