Bachelor of Science (Information Technology) (I.T.) (Semester—VI) Examination
ADVANCED JAVA PROGRAMMING
Paper—2

Time : Three Hours]   [Maximum Marks : 50

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

(2) Draw neat and labelled diagrams wherever necessary.

EITHER

1. (A) Write notes on :
    (i) View Ports
    (ii) Scroll Panes.   5
   (B) Explain the array object and methods used in Java with example.   5

   OR

   (C) Explain the types of inheritances that Java supports without interfaces.   5
   (D) Write a program in Java that has Boolean function returning a string to display whether the entered year is leap or not.   5

   EITHER

2. (A) Create an application to retrieve information (Author id, name, address, city) about the author who is living in the city where the city name begins with the letter "N".   5
   (B) Discuss the basic architecture of JDBC. Also specify its applications.   5

   OR

   (C) Explain the creation and execution of JDBC statement with example.   5
   (D) What is the role of the Driver Manager Class of Java.sql package ?   5

   EITHER

3. (A) Demonstrate distributed application using RMI.   5
   (B) Write and explain the execution routine of JavaBeans.   5

   OR

   (C) Explain the following terms :
    (i) Juggler
    (ii) JAR files.   5
   (D) Explain JavaBean properties in detail.   5

   EITHER

4. (A) Explain the life cycle of servlet.   5
   (B) Write a program in Java to read servlet parameters.   5

   OR

   (C) Explain javax.servlet package in detail.   5
   (D) What is JSP ? Explain its types.   5

5. (A) Describe the life cycle of Applet.   2½
   (B) Write the JDBC-ODBC Bridge Driver with example.   2½
   (C) Explain the procedure to create and implement remote interface.   2½
   (D) Explain any three methods of the http Servlet Request Class.   2½