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Jul.-23-0209

CS-601 (Advance Java)

B.Tech. 6th (CBCS)

Time : 3 Hours

Max. Marks : 60

The candidates shall limit their answers precisely within the answer-book (40 pages) issued to them and no supplementary/continuation sheet will be issued.

Note : Attempt five questions in all, selecting one question each from section A, B, C and D. Section - E is compulsory.

SECTION - A

1. Why is Java important to the internet? Discuss. (10)
2. Differentiate between Java, C and C++. (10)

SECTION - B

3. List various layouts used in Java. Explain any two with example. (10)
4. Write an AWT based Java program that will read a number from user(textbox) and display its factorial. (10)

SECTION - C

5. Explain the concept of Servlets in Java. Describe the life cycle of a Servlet and the methods involved in it. (10)
6. What is JSP? Also, discuss the differences between Servlets and JSP. (10)

SECTION - D

7. Write a program in Java to connect to a database using JDBC and retrieve data from it. (10)

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8. What is JDBC driver? Explain the different types of JDBC drivers and their advantages. (10)

SECTION - E (Compulsory Question)

9. Attempt the following: (20)
 - (a) What is the difference between a J Frame and a J Panel?
 - (b) What is the difference between JVM and JRE?
 - (c) How do you deploy a servlet?
 - (d) What is the difference between a component and a container?
 - (e) How are images displayed in swing?
 - (f) What is Tomcat?
 - (g) How are events handled in swing?
 - (h) What is card layout? (8×2½=20)