

Roll No.

Total No. of Pages : 02

Total No. of Questions : 09

B.Tech.(IT) (2011 Onwards E-III) (Sem.-7,8)

ADVANCED JAVA

Subject Code : BTIT-906

Paper ID : [A3058]

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTIONS TO CANDIDATES :

1. SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
2. SECTION-B contains FIVE questions carrying FIVE marks each and students have to attempt any FOUR questions.
3. SECTION-C contains THREE questions carrying TEN marks each and students have to attempt any TWO questions.

SECTION-A

1. Write briefly :

- a. According to you, are Java Beans J2EE component?
- b. How is security achieved in Java?
- c. Which interface is responsible for transaction management in JDBC?
- d. Define output stream.
- e. Are static members serialized?
- f. What is thread synchronization?
- g. Define atomic variable.
- h. What is final class?
- i. Difference between Interfaces and Abstract classes.
- j. What is annotations in Java?

SECTION-B

2. Where do we use prepared statement and callable statement?
3. Discuss the necessity of Java Bean. List the steps to create a new Bean.
4. Compare thread and process using suitable examples.
5. Annotations play a major role in Java. Justify.
6. What is JDBC? What are the different types of JDBC drivers that are available in Java?

SECTION-C

7. Explain the various types of input streams with their functions.
8. Write the short notes on following :
 - a. Result set Interface.
 - b. Bean serialization.
9. Explain the following keywords :
 - a. Transaction management.
 - b. Importance of Bean Serialization.