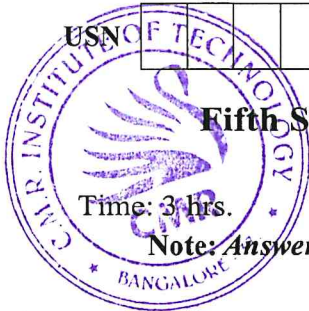


# CBCS SCHEME

15CS553



USN: 

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**Fifth Semester B.E. Degree Examination, July/August 2022**

## **Advanced Java and J2EE**

Time: 3 hrs.

Max. Marks: 80

**Note: Answer any FIVE full questions, choosing ONE full question from each module.**

### Module-1

- 1 a. Demonstrate the use of ordinal, compareTo( ) equals( ) and values( ) method with enumeration. (08 Marks)
- b. List and explain Built-in general purpose annotation. (08 Marks)

**OR**

- 2 a. Explain the following with examples :  
i) wrappers ii) autoboxing iii) unboxing. (08 Marks)
- b. Explain how to obtain annotation at Runtime by use of reflection. (08 Marks)

### Module-2

- 3 a. List in briefly explain the interface defined the collection framework. (08 Marks)
- b. Explain the use of ArrayList Class with examples. (08 Marks)

**OR**

- 4 a. What is map interface? Illustrate HashMap with a program. (08 Marks)
- b. List and explain the five collection algorithms demonstrate their use with examples. (08 Marks)

### Module-3

- 5 a. Writ java program to demonstrate use of contributor in string. (07 Marks)
- b. Explain string comparison, searching and modifying with examples. (09 Marks)

**OR**

- 6 a. Illustrate any four character extraction method with examples. (08 Marks)
- b. What is StringBuffer? Explain any five method stringBuffer method with example. (08 Marks)

### Module-4

- 7 a. What is Servlet? Explain the step involved in using Tomcat for Servlet development. (09 Marks)
- b. Write a servlet program that read parameters names and value of print. (07 Marks)

**OR**

- 8 a. Develop a Servlet program that illustrate how to use cookies? (09 Marks)
- b. List and explain the various JSP tags with examples. (07 Marks)

### Module-5

- 9 a. List and explain JDBC Drivers types. (06 Marks)
- b. Explain the JDBC process for nitrating with DBMS show the code snippet for each step. (10 Marks)

**OR**

- 10 a. Explain the prepared statement object and callable statement in JDBC. (08 Marks)
- b. Explain transaction processing, write a program to execute a database transaction. (08 Marks)

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Important Note : 1. On completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages.  
2. Any revealing of identification, appeal to evaluator and /or equations written eg. 42+8 = 50, will be treated as malpractice.

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