| CBCS | SCH | EM | 3 |
|------|-----|-------|---|
| COCO | | LIMIL | |

USN

18CS64

Sixth Semester B.E. Degree Examination, June/July 2023 Advanced JAVA and J2EE

Time: 3 hrs. Max. Ma

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

Module-1

- a. What are enumerations? How to use an enum constructor, instant variable and method. Explain with example. (08 Marks)
 - What is Autoboxing? Write a Java program that demonstrates autoboxing/unboxing occurs inside expressions. (06 Marks)
 - What is Annotation? Explain various retention policies for annotations in Java. (06 Marks)

- Explain values() and valueOf() methods used enumeration with example program.
 - (06 Marks)
 - What do you mean by type wrapper? Explain Numeric type wrapper with an example (06 Marks)
 - Explain the following Built-in annotations with an example program
 - ii) Deprecated iii) @Inherited iv) Target

- What is collections? Explain interface and methods available under collection interface.
 - (10 Marks) What are comparators? Write a comparator program to sort accounts by last name.

(16 Marks)

(08 Marks)

- Explain the following Map class with suitable program. i) HashMap ii) TreeMap (10 Marks)
 - Explain any four legacy classes of Java's collection framework with suitable program.

(10 Marks)

Module-3

What is string? Explain the string constructors with suitable programming examples.

(68 Marks)

- Explain the string comparison functions with suitable programs. (68 Marks)
- Explain indexOf() and lastIndexOf Methods of string class with an example. (04 Marks)

- What is toString() function? Write a program to override toString() and provide your won string representations. (08 Marks)
 - Explain the following StringBuffer methods with an example:

append() ii) insert() iii) reverse() iv) replace() (06 Marks) (06 Marks)

Write a program in java to replace all the matching substring with a given string.

1 of 2

DOWNLOAD THIS FREE AT

www.vturesource.com

18CS6

Module-4

- What is servlet? Explain the life cycle of servlets.
 - Write a Java servlet program that demonstrate how parameters can be accessed from Marks
 - What is a session object? Write the program to create and Read session object, using (96 Marks)

- 8 a. Define JSP? Explain different types of JSP tags by giving suitable progra examples. (12 Marks)
 - (08 Marks)
 - b. Define Cookie. Write a servlet program to add a cookie.

Module-5

- 9 a. Explain the different step involved in JDBC with a code smooth
 - b. Explain the four types of JDBC drivers.

(12 Marks)

(08 Marks)

OR

- 10 a Explain the use of object in establishing the connection Also write a program to call stored (40 Marks)
 - b. Explain undatable Result set with a programming example.

(10 Marks)

