CSE/CI 312 (R-20)

Total No. of Questions : 10] [Total No.of Pages : 02

III/IV B. Tech. DEGREE EXAMINATIONS, DECEMBER - 2022

First Semester

CSE / CI

JAVA PROGRAMMING

Time : **Three Hours** Maximum : **60** Marks

Answer ONE question from each Unit.

All questions carry equal marks. 5x12=60 M

UNIT - I

1. a) Describe the structure of Java program?
   b) Illustrate the Default and Parameterized Constructions with examples?

(OR)

2. a) Elaborate on the various object oriented concepts, with necessary illustrations.
   b) List and explain any five string functions with an example program.

UNIT - II

3. a) Summarize the various access controls in a package with examples.
   b) Discuss about the Byte and Character Streams with examples.

(OR)

4. a) Discuss about the Dynamic Method dispatch in Java with example program.
   b) Explain how to implement and Extending Interface with example programs.

UNIT - III

5. a) Categorize the Java's built-in Exception? Explain the importance of finally block.
   b) Draw and explain various states of thread life cycle with neat diagram.

(OR)

6. a) What is exception? Explain the syntax of try block and catch block with an example.
   b) Justify with an example Java program to implement inter thread communication.

P.T.O.

UNIT - IV

7. a) Outline the different layout managers with neat diagram.

   b) Explain the concept of adapter class with example program.

(OR)

8. a) Describe in detail about various user interface components used in AWT with syntax.

   b) Discuss about Event Sources and Event Listeners with suitable examples.

UNIT - V

9. a) Illustrate the various components in Swings with suitable examples?

   b) Compare and contrast differences between applets and application programs.

(OR)

10. a) Differentiate between a JCheckBox and a JRadioButton with necessary constructors and methods.

    b) Develop applet program to draw the line and circle shapes.