

Roll No.

Total No. of Pages : 02

Total No. of Questions : 09

B.Tech (CSE / AI & ML) (Sem.-5)

JAVA PROGRAMMING

Subject Code : BTAI ML-509-20

M.Code : 93185

Date of Examination : 02-12-2025

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) What are abstract classes?
- b) Explain overriding Super class methods.
- c) What are labeled loops?
- d) Explain the Java environment concept.
- e) What is an Applet?
- f) What is Servlet life-cycle?
- g) What are containers?
- h) What are Wrapper classes?
- i) Differentiate between a class and an object.
- j) What is the concept of JDBC Programming?

SECTION-B

2. Explain the Java Source File structure and Compilation-execution.
3. Explain the method overloading and Method overriding using appropriate examples.
4. What is an interface? How is it implemented in Java?
5. How will you extend the Thread class? Explain.
6. Write a Java Program to develop Login Window using AWT.

SECTION-C

7. Explain the thread control methods in detail.
8. What is the purpose of the finally clause of a try-catch-finally statement? What are the causes Exception? What is the basic difference between the two approaches to exception handling?
9. What are Servlets? Explain developing and deploying Servlets.

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.