# M.Sc. IV SEMESTER [MAIN/ATKT] EXAMINATION MAY - JUNE 2025

## COMPUTER SCIENCE

Paper - III

### [Internets and Web Technology]

*[Max. Marks : 75]*      *[Time : 3:00 Hrs.]*      *[Min. Marks : 26]*

**Note :** Candidate should write his/her Roll Number at the prescribed space on the question paper.
Student should not write anything on question paper.
Attempt all five questions. Each question carries an internal choice.
Each question carries **15 marks.**

**Q. 1 a)** Define HTML Structure ? What is form ? Explain its attribute with suitable example.

   **b)** Write short notes on the following -

       i) HTTP

       ii) Web server

### OR

   **a)** What is the installation process of application server ?

   **b)** What do you mean by generic servlet life cycle ? How it is created ? Explain with the examples.

**Q. 2 a)** What is JDBC? Explain various types of JDBC driver.

   **b)** Explain packages with suitable example.

   **c)** Explain class with proper example.

### OR

   **a)** What is Listener? Explain with suitable example?

   **b)** What is Session? Write any two methods to handle session with suitable example.

**Q. 3 a)** Define JSP ? How servlet is connected to MySQL server for creating database? Explain.

   **b)** What is Metadata ? Write process of accessing metadata from the database.

### OR

**a)** What is Connection Pooling? Explain need of connection pooling with example.

**b)** What is Statement Interface? Explain its type with example.

**Q. 4 a)** Explain JSP lifecycle in details.

**b)** Explain use of Java Bean with example through JSP.

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**OR**

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**a)** What are different types of directives used in JSP?

**b)** Describe the different action elements with suitable example.

**Q. 5 a)** What is MVC design pattern of JSP? Explain.

**b)** Write a simple code in JSP for creating and destroying cookies.

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**OR**

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**a)** What do you mean by Exception Handling. Explain with suitable example.

**b)** Explain J2EE in detail.

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