

GYANMANJARI INNOVATIVE UNIVERSITY

Gyanmanjari Institute of Technology

B.Tech- End Semester Examination (ESE)- Winter-2025 (Remedial)

Enrollment No.: \_\_\_\_\_

Date: 05/06/2026

Subject Code: BETCE12302

Semester: 2

Subject Name: Object-Oriented Programming - II

Total Marks: 100

Time: 10:30 AM To 1:30PM

Instructions:

1. Question No. 1 is Compulsory.
2. Make Suitable Assumptions wherever necessary.
3. Figures to the right indicate full marks.

	Marks
Q.1 (a) Servlet context vs servlet Config	05
(b) Explain JSP scripting elements, declaration	05
(c) Describe FileInputStream and FileOutputStream and explain in details	10
Q.2 (a) Explain JSP Expressions, comment tag.	05
(b) Explain JSP life cycle methods with program.	05
OR	
(b) Explain the OR mapping in hibernate.	05
(c) Describe FileReader and FileWriter and explain in details	10
OR	
(c) Develop a database application that uses any JDBC driver.	10
Q.3 (a) Differentiate between TCP sockets and UDP sockets.	05
(b) Write a note on JDBC architecture.	05
(c) Explain Servlet life cycle	10
OR	
(a) Write steps to create a Servlet in JAVA	05
(b) Explain Cookies in details with application	05
(c) Explain Session tracking mechanism in details	10
Q.4 (a) Give the difference between Servlet and JSP	05
(b) Explain advantages of JSP?	05
(c) Write a short note on java.net package. Explain Socket, ServerSocket, InetAddress classes. Write a sample program which demonstrate all this concept	10
OR	
(a) Explain JSP traditional tag with example.	05

- (b) Explain Hibernate Architecture in details. 05
- (c) List out types of statement and explain each in details with example 10
- Q.5 (a) Hibernate vs JDBC. 05
- (b) Explain JDBC API components in brief. 05
- (c) doGET vs doPOST() 10

OR

- (a) What is Preparedstatement and explain with example. Write down pros and cons. 05
- (b) How to call JSP from servlet? Explain with example. 05
- (c) What is Hibernate? What are the advantages of it? Explain architecture of it in detail 10