

**GIET UNIVERSITY, GUNUPUR - 765022**

B. Tech (Fifth Semester Regular) Examinations, December - 2023

21BCSOE35001 - Advanced JAVA

(CSE,CSE(AI ML),CSE(DS))

Time: 3 hrs

Maximum: 70 Marks

(The figures in the right hand margin indicate marks)**PART – A****(2 x 5 = 10 Marks)**Q.1. Answer **ALL** questions

	CO #	Blooms Level
a. What is the difference between a web server and an application server?	CO1	K1
b. What is the difference between GET and POST methods?	CO1	K1
c. How do Cookies work in Servlets?	CO2	K1
d. What is JSP and why do we need it?	CO3	K2
e. What is ResultSet?	CO4	K2

PART – B**(15 x 4 = 60 Marks)**Answer **ALL** questions

	Marks	CO #	Blooms Level
2. a. Explain the what are the different types of drivers of JDBC?	10	CO1	K2
b. What are the steps to connect with JDBC?	5	CO1	K1
(OR)			
c. Explain the difference between executeQuery, executing, and executeUpdate in JDBC?	9	CO1	K2
d. What are the JDBC API components?	6	CO1	K1
3.a. What are the advantages & disadvantages of Hibernate over JDBC?	8	CO2	K1
b. What are the important interfaces of the Hibernate framework?	7	CO2	K1
(OR)			
c. What is the difference between first-level cache and second-level cache?	8	CO2	K1
d. What is the Hibernate Configuration File?	7	CO2	K1
4.a. Explain the flow of Spring MVC with diagram ?	9	CO3	K2
b. What are the advantages of the Spring MVC Framework?	6	CO3	K1
(OR)			
c. How to map the controller class and its methods with the URL?	7	CO3	K1
d. Write a Java code to pass the employee details like(eid, ename, edept, esalary) to the database using Servlet and JSP.	8	CO3	K2
5.a. What are the features of JSP that make it an essential web-based technology?	8	CO4	K1
b. Explain the Java Server Page Life Cycle.	7	CO4	K2
(OR)			
c. What makes Spring Boot superior to JAX-RS?	8	CO4	K1
d. Write a Java program of student details(id, name, rollnumber, dept) using Hibernate annotations to store the data in the database.?	7	CO4	K2

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