



K24U 2873

Reg. No. :

Name :

**V Semester B.C.A. Degree (CBCSS – OBE – Regular/Supplementary/
Improvement) Examination, November 2024
(2019 to 2022 Admissions)**

Core Course

5B13BCA : ENTERPRISE JAVA PROGRAMMING

Time : 3 Hours

Max. Marks : 40

**PART – A
Short Answer**

Answer **all** questions :

(6×1=6)

1. Which JDBC driver type is known as the “JDBC-ODBC Bridge” ?
2. Mention any one method to handle SQL warnings in JDBC.
3. What is the purpose of the Naming class in RMI ?
4. What is a servlet in Java ?
5. Define the term “module” in the context of IDL.
6. What is the significance of the ORB.init() method in a CORBA application ?

**PART – B
Short Essay**

Answer **any 6** questions :

(6×2=12)

7. What is metadata in the context of JDBC ?
8. What is the purpose of prepared statement in JDBC ?
9. Explain the purpose of the RMI registry.
10. What is the difference between bind() and rebind() methods in RMI ?
11. Explain the importance of thread safety in servlets.
12. What does the doGet() method in a servlet do ?
13. Define the term “Object Request Broker” (ORB).
14. Describe the process of initializing an ORB.

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PART – C
Essay

Answer **any 4** questions :

(4×3=12)

15. Discuss error handling in JDBC. How can you use exceptions and SQL warnings to manage errors effectively ?
16. What is the role of object activation service in RMI ?
17. Describe the role of cookies in session tracking.
18. Compare CORBA with Java RMI.
19. How do client stubs and server skeletons work together in a CORBA communication process ?
20. Describe the role and functionality of holder class and helper class in CORBA applications.

PART – D
Long Essay

Answer **any 2** questions :

(2×5=10)

21. Compare and contrast the four types of JDBC drivers. Discuss the advantages and disadvantages of each.
 22. Explain the process of accessing a remote object as a client in RMI. Discuss how remote method arguments and return values are handled in this context.
 23. Describe the life cycle of a servlet and how thread safety can be maintained throughout the different stages of this life cycle.
 24. Discuss the architecture of CORBA. How does it enable interoperability between different systems ?
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