



R. Sambal

Avinashilingam Institute for Home Science and Higher Education for Women

Deemed to be University Estd. u/s 3 of UGC Act 1956, Category A by MHRD (now MoE)

Re-accredited with A++ Grade by NAAC. CGPA 3.65/4, Category I by UGC

Coimbatore - 641 043, Tamil Nadu, India

Continuous Internal Assessment Test I – February 2026

VI Semester

Class : III B.Sc *Repeals*
Major : Computer Science

Time: 2 hours
Maximum Marks: 60

21BCSC30 Client/Server Computing

Course Outcomes:

At the end of the course, students will:

CO1: Describe and synthesize the client-server concepts and different types of servers.

CO2: Analyse the operating system services required for client/server architecture.

CO3: Master the concepts of SQL database server and Data Warehouse.

CO4: Familiarity with the concepts of transaction processing, functions of TP monitor and client/server interaction types.

CO5: Exposure to the concepts of distributed objects in client/server computing.

Part - A

6 x 1 = 6

Choose the Correct Answer

1. The client passes _____ to the database server. CO1 K1
a. Records b. SQL Request c. Files d. Reports
2. The software that helps people work together collectively while located remotely from each other _____. CO2 K1
a. Groupware b. Collective software c. Remoteware d. Ransomware
3. Which is responsible for packing the procedure arguments in runtime RPC? CO3 K1
a. client stub b. server skeleton c. middleware d. PRC
4. The transparency that enables multiple instances of resources to be used, is called _____. CO1 K1
a. Concurrency transparency b. Scaling transparency
c. Replication transparency d. Location transparency
5. What is the prepared SQL code that can be saved & reused over & over again? CO2 K1
a. Stored Procedure b. Subroutine c. Query d. Procedure
6. Which application uses Data Warehouse? CO3 K2
a. OLTP b. OLAP c. ORB d. DML

Part - B

3 x 6 = 18

Answer ALL Questions

Answer should not exceed 400 words or two pages

7. a. Elaborate the characteristics of client server systems. CO1 K2
(or)
7. b. Compare and contrast two-tier and three-tier architectures. CO2 K2
8. a. Explain the need of server from operating system. CO1 K2
(or)
8. b. Write a note on server scalability. CO2
K1
9. a. Write a note on SQL Database Server. CO3 K1
(or)
9. b. What is a Stored Procedure? State its advantages. CO3 K2

Part - C

3 x 12 = 36

Answer ALL questions

Answer should not exceed 800 words or four pages

10. a. Explain in detail about the various types of servers. CO1 K2
(or)
10. b. Explain the three client/server building blocks with neat diagram. CO1
K2
11. a. Explain the base services and extended services required by a server from an operating system. CO2 K2
(or)
11. b. Elaborate on the functions of NOS Middleware. CO2 K2
12. a. Explain the architecture of SQL database servers. CO3 K2
(or)
12. b. Discuss Stored Procedures with their advantages and disadvantages. CO3 K2