



Munirath.

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)
Re-accredited with 'A++' Grade by NAAC. Recognised by UGC Under Section 12B
Coimbatore - 641 043, Tamil Nadu, India

Continuous Internal Assessment Test I – August 2024
V SEMESTER

Class : III BCA
Major : Computer Applications

Time: 2 hours
Maximum Marks: 60

21BCAC22 Client/Server Computing

Course Outcomes:

1. Describe and synthesize the client/server concepts and different types of servers.
2. Analyze the operating system services required for client/server architecture.
3. Master the concepts of SQL database server and Data warehouse.
4. Familiarity with the concepts of transaction processing, functions of TP monitor and client/server interaction types.
5. Exposure to the concepts of distributed objects in client/server computing. **6x1=6**

Part-A

Choose the correct answer

1. Which among the following are used for sharing files across a network? **CO1K1**
a. Web Server b. Groupware Server c. File Servers d. Database Servers
2. In _____ client/server systems, the application logic is buried either inside the user interface on the client or within the database on the server. **CO1K2**
a. Server building block b. 2-tier c. 3-tier d. n-tier
3. Which services are add-on modular software components that layered on top of the base services? **CO2K1**
a. Semaphore b. Extended c. Threads d. Operating system
4. The desktop application is replaced with graphic dialogs in _____ application. **CO2K2**
a. GUI b. Non GUI c. OUI d. Non GUI with Multitasking
5. MOM stands for _____ **CO3K1**
a. Member-Of Middleware b. Message-Oriented Middleware
c. Member-Of Model d. Model-Oriented Messages
6. Hiding the network and its servers from the users and the applications programmers is termed as **CO3K2**
a. NOS complexity b. Transparency c. Extranet d. LDAP

Part-B

Answer ALL Questions

7. a. Define Client/Server system with an example. Give the characteristics of client/server systems and illustrate with a real-time example. **CO1K2**
(or) **CO2K2**
7. b. Differentiate 2-tier Vs 3-tier Client Server architectures. **CO2K1**
8. a. Explain the importance of extended services of an operating system. **CO2K1**
(or) **CO2K1**
8. b. Explain the role of scalable Servers. **CO3K2**
9. a. Discuss how client/server applications are client-centric. **CO3K2**
(or) **CO3K2**
9. b. Describe on basics of SQL and relational database. **3x12=36**

Part-C

Answer ALL questions

10. a. Elaborate the role of client/server architecture? Discuss on i) Groupware Server, File Servers, Database servers, Fat Servers and Fat clients. **CO1K2**
(or) **CO1K1**
10. b. Justify the components that make up the building blocks of client/server architecture. **CO2K2**
11. a. Discuss on creation of single-system image by NOS Middleware. **CO2K2**
(or) **CO2K2**
11. b. Differentiate the working and applications of RPC and MOM. **CO3K1**
12. a. Explain the role of Stored Procedure, Trigger and Rules in Relational Database. **CO3K1**
(or) **CO3K1**
12. b. Elaborate the importance of database server architecture.

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Staff in-charge: Dr. V. Kumutha