

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING**EIGHTH SEMESTER B TECH (2020-'24 BATCH)****CST426 CLIENT SERVER ARCHITECTURE****INTERNAL EXAM 2-MODULE 3****QUESTION BANK****Part A-3 mark questions**

Question No	Question	Mark	Bloom's taxonomy level	CO
1	1 What is a remote procedure call on the client side?	3	1	3
	2 Describe Windows services.	3	1	3
	3 Explain security system services on the server.	3	1	3
2	1 Explain the difference between the terms-service and server.	3	2	3
	2 Explain in detail about print services.	3	1	3
	3 Explain remote procedure calls on the server.	3	1	3
3	1 Enumerate the services provided in a client/server system.	3	1	3
	2 Describe utility services with examples.	3	2	3
	3 Describe marshalling.	3	1	3
4	1 Write short notes on interprocess communication.	3	1	3
	2 Differentiate warm and hot data links.	3	2	3
	3 Write short notes on ORB.	3	1	3
5	1 Explain the concept of Object Linking and Embedding (OLE) in computing. Describe how OLE allows applications to share and manipulate data, as well as the benefits of using OLE in software development.	3	2	3
	2 Describe remote boot services with an example.	3	2	3
	3 Explain about the LAN Manager.	3	1	3
6	1. Write short notes on DDE.	3	1	3
	2 How interposes communication is established?	3	2	3
	3 Explain remote services.	3	1	3

Part B-14 mark questions

Question No	Question	Mark	Bloom's taxonomy level	CO
7	7.A.Describe in detail about any four client services.	10	1	

	7.B. Explain the role of the client in Client/Server computing and also explain the various services provided by the client.	4	1	
	7.A. Imagine you are an IT consultant tasked with designing a client/server application for a medium-sized company. Describe how you would incorporate file sharing, database-centered systems, groupware, and transactional processing services into the application. Provide specific examples of how each component would enhance the functionality and efficiency of the application in meeting the company's needs.	10	3	
	7.B. List out the features of the network operating system.	4	1	
	7.A. Explain how CORBA handles the cross network platform for data transfer.	10	2	
	7.B. Explain the services performed by the client.	4	1	
8	8.A. Explain the architecture of CORBA.	10	2	3
	8.B. Explain the server functionality in detail, for Client/Server computing.	4	2	
	8. A. Explain the role of server in Client/Server computing and also explain the various services provided by server.	14	1	
	8.A. Describe about NetWare, OS/2, Windows NT, MVS,OPENVMS server operating systems.	14	1	
9	9.A. What is Inter Process Communication (IPC) and What are services provided by IPC? Also explain various protocols used for IPC.	14	1	3
	9.A. As part of a team developing a new distributed application, create a detailed diagram illustrating the Remote Procedure Call (RPC) mechanism. Explain how RPC works within the context of distributed systems, highlighting the steps involved in the process. Use your diagram to demonstrate how RPC facilitates communication between clients and servers in a distributed environment.	14	3	
	9.A. Describe in detail any five network operating systems with examples.	14	2	
10	10.A. Explain in detail about DDE.	14	1	
	10.A. Describe about LAN Manager, IBM LAN server, Banyan VINES and PC network file services network operating systems.	14	1	
	10.A. Describe about any five server operating systems.	14	1	

11	11.A. In Client/Server computing, explain the following with an example in detail (a) Dynamic Data Exchange (b) RPC (c) Remote Boot Service (d) Object- linking and embedding.	8	2	3
	11.B. Given a business environment where multiple computers need to share resources and communicate effectively, analyze the benefits of using a network operating system (NOS). Provide examples of NOS features and explain how they facilitate resource sharing and communication among computers.	6	3	
	11.A. Describe remote services, window services, print services and database services provided by the client.	10	1	
	11.B. What is a network operating system? Explain its features with examples.	4	2	
	11.A. Describe in detail any five client services.	14	1	
12	12.A. Explain in detail about application services, file services, database services and print services in the server.	10	1	
	12.B. Describe about IBM LAN server and Banyan VINES.	4	1	
	12.A. In a corporate setting where a company is considering options for implementing a local area network (LAN), compare and contrast the features and functionalities of IBM LAN Server and Banyan VINES. Provide examples of how each system could be applied in a business environment, considering factors such as scalability, security, and compatibility with existing infrastructure.	8	3	
	12.B. What are the main similarities and differences between the RPC model and the ordinary procedure call model?	6	2	
	12.A. Describe in detail about any five server services.	14	1	