

Dr. Babasaheb Ambedkar Open University
Term End Examination February – 2026

Course	: BCAR	Date	: 20-Feb-2026
Subject Code	: BCAR-403	Time	: 03:00pm to 05:15pm
Subject Name	: Client/Server Architecture and Interface (C#)	Duration	: 02.15 Hours
		Max. Marks	: 70

Section A

Answer the following (Attempt any three) (30)

1. List and explain different type of servers you know
2. Define Client and Server. Discuss characteristics, merit and demerit of client – server architecture.
3. Explain system development environments in detail
4. Explain Object Linking and Embedding in detail.
5. What is CLR? Explain the use of CLR in managed execution.

Section B

Answer the following (Attempt any four) (20)

1. Merits and Demerits of the Client – Server
2. Write a short note on: ORB
3. List and explain different type of server services.
4. What is authentication? List and explain different types of it.
5. List and explain different validation controls of ASP.NET
6. Write a short note on: CASE tools.

Section C

Part – A (Multiple Choice Questions) (10)

- 1 The main disadvantage of using Client – Server architecture is
 - A Robustness
 - B Ease of maintenance
 - C Centralized control
 - D Scalability
- 2 What is meant by congestion ?
 - A software
 - B Client side program
 - C When network is carrying much more requests than it can handle, network congestion occurs.
 - D None of the above
- 3 What is the use of FTP server ?
 - A It is open source server software to do the work
 - B It is used to handle mailing lists
 - C It is used to transfer files safely among computers securely
 - D None of these
- 4 Which server is used for sending and receiving requests from web server ?
 - A Collaboration server
 - B Web server
 - C FTP server
 - D None of the above

- 5 CORBA stands for _____
 A Common object request broker architecture B Computing objects request broker architecture
 C Common object response broker architecture D None of the above
- 6 Remote Procedure Call is initiated by the _____
 A Server B Client
 C Both of these D None of the above
- 7 Which of the following is the example of non-GUI client that requires multitasking?
 A ATMs B Robots
 C Testers D None of the above
- 8 _____ is not a client-side services
 A Print B Utility
 C Message D Request processing
- 9 NIC stands for _____
 A Nano Integrated Circuit B Network Interface Card
 C Non-Integrated Communication D Network Interface Communication
- 10 WORM is a _____.
 A Kind of virus B Kind of Optical Disk
 C Type of main memory D Type of network

Part – B (Do as Directed)

(10)

State the following statements are TRUE or FALSE

- 1 When network is carrying much more requests than it can handle, network congestion occurs.
- 2 FTP stand for Firmware Transfer Process.
- 3 BPR stands for Business process reengineering.
- 4 Client sends response to the server.
- 5 PDA stands for Personal Document Administration.
- 6 .NET code is platform dependent.
- 7 MSIL is Microsoft Intermediate Language produced by language compilers.
- 8 CSS stands for Common Style Sheet.
- 9 Master page file in ASP.NET has extension .master.
- 10 A database server which is configured by allowing user processes to share so as to increase in users is called shared server
