**MCA**
**(SEM IV) THEORY EXAMINATION**
**CLIENT SERVER COMPUTING**

***Time: 3 Hours*** ***Total Marks:*** **70**

**Note:** Attempt all Sections. If require any missing data; then choose suitably.

**SECTION A**

**1. Attempt *all* questions in brief.** **2 x 7 = 14**

a. Describe the characteristics of client-server computing model.
b. What do you understand by OLE?
c. What is NOS?
d. Explain CGI in brief
e. Write various types of Client/Server development tool.
f. Briefly discuss working of FDDI.
g. How does Thin Client/Server Work?

**SECTION B**

**2. Attempt any *three* of the following:** **7x1=7**

a. Explain the architecture of centralized multi-user system.
b. Describe RPC model. Write the advantages of RPC model over ordinary procedure call model.
c. How does a Token Ring LAN operate? What are the advantages of FDDI over a basic Token Ring.
d. What is RAID disk. Also explain the important goals of RAID technology.
e. What do you understand by End user training and what are the main issues involved in it. Differentiate it with database administer training.

**SECTION C**

**3. Attempt any *one* part of the following:** **7x1=7**

(a) What is Mainframe Centric Client/Server Computing? What do you mean by reliability of client server model.
(b) What are the minimum client and server components required for a client server computing environment?

**4. Attempt any *one* part of the following:** **7x1=7**

(a) Explain the Common Object Request Broker Architecture. Explain the CORBA event, notification and security services.
(b) What do you understand by network management and remote system management? Differentiate between them.

5. **Attempt any *one* part of the following:** **7x1=7**

(a) Describe the working of X-terminals and UNIX workstation.

(b) Discuss the client server systems development methodology in detail.

6. **Attempt any *one* part of the following:** **7x1=7**

(a) Write a short note on software distribution in client server environment.

(b) Describe the following :

1) Optical Disk
2) NICs

7. **Attempt any *one* part of the following:** **7x1=7**

(a) Discuss the various examples of GUI applications in detail.

(b) Explain in detail the categories of Server.