

**MCA**  
**(SEM IV) THEORY EXAMINATION 2017-18**  
**CLIENT SERVER COMPUTING**

*Time: 3 Hours*

*Total Marks: 100*

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

**SECTION A**

- 1. Attempt *all* questions in brief. **2 x 10 = 20****
- 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?
  - h. Define Dynamic Data Exchange (DDE).
  - i. What are the functions of SMTP.
  - j. Briefly discuss Token Ring Protocol.

**SECTION B**

- 2. Attempt any *three* of the following: **10 x 3 = 30****
- 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: **10 x 1 = 10****
- (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: **10 x 1 = 10****
- (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: **10 x 1 = 10****
- (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: **10 x 1 = 10****
- (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: **10 x 1 = 10****
- (a) Discuss the various examples of GUI applications in detail.
  - (b) Explain in detail the categories of Server.

uptunotes.com