



(Following Paper ID and Roll No. to be filled in your Answer Book)

PAPER ID : 1478Roll No. **M C A****(SEM. IV) EXAMINATION, 2006-07****CLIENT / SERVER COMPUTING***Time : 3 Hours**[Total Marks : 100*

- 1** Attempt any **four** parts out of the following :
- (a) Why is the client program finite and the server program infinite? **5**
- (b) In the client-server model, what is the role of the client program? What is the role of the server program? **5**
- (c) What is the relationship between CGI and dynamic documents? **5**
- (d) How the client/server model provides opportunity to achieve true open system computing? **5**
- (e) Are standard application protocols like TELNET, FTP, SMTP and NFS connectionless or connection oriented ? **5**
- (f) Give a brief description of the advantages of client/server model. **5**
- 2** Attempt any **four** parts of the following
- (a) What is redirection in NOS? How does it work? **5**
- (b) What is object linking and Embedding (OLE)? Discuss its advantages in client-server model. **5**
- (c) Explain the architecture of Distributed Computing environment. **5**

- (d) List the features that must be included in the database engine to make it suitable for client server applications. **5**
- (e) Give a brief description of the functions provided by server in a Network operating system environment. **5**
- (f) What is CORBA? **5**
- 3** Attempt any **two** out of the following :
- (a) Explain the services provided by interprocsers communication. **10**
- (b) What is Network Basic input output system? Describe the various services provided by Net BIOS commands. **10**
- (c) What is Token ring? In a 16-Mbps Token ring network, the length of the token is three bytes. How long does it take for a station to produce a token ? **10**
- 4** Attempt any **two** parts out of the following :
- (a) Write short comments on the following : **10**
- (i) WORM
- (ii) Erasable optical
- (iii) Network interface cards
- (iv) CDDI.
- (b) How the security can be implemented in client server applications explain ? **10**
- (c) Explain the various LAN and network management issues in the context of client server applications. **10**
- 5** Attempt **two** parts out of the following:
- (a) Explain the benefits that can be obtained by organizations using expert systems technology. **10**
- (b) What is EDI? Discuss its advantages.
- (c) Discuss the key issues in the training of systems administration personnel.