Printed Pages: 1 **Sub Code: RCAE12**
Paper Id: 214242 **Roll No.** | | | | | | | | | | |

MCA
(SEM IV) THEORY EXAMINATION 2018-19
CLIENT SERVER COMPUTING

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

Note: 1. Attempt all Sections. If require any missing data; then choose suitably.

SECTION A

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

a. Give the various characteristic of client/server systems.
b. Discuss three problems with file server architecture.
c. What are the disadvantages of using stored procedures?
d. What do you mean by network operating system? Give some example.
e. Why we use networks?
f. Define the term help desk.
g. What do you mean by value added network?

SECTION B

2. Attempt any *three* of the following: 7 x 3 = 21

a. Explain various services of single system image.
b. How the request can be processed? Discuss various types of server.
c. Discuss peer to peer and client/server networks along with their advantages and disadvantages.
d. What do you mean by project management? Discuss various objectives of effective project management.
e. Explain the structure of expert systems in detail.

SECTION C

3. Attempt any *one* part of the following: 7 x 1 = 7

(a) Compare mainframe system with client server system. Discuss advantages and disadvantages of client server computing.
(b) What do you mean by downsizing, rightsizing and upsizing? Discuss downsizing and client/server computing.

4. Attempt any *one* part of the following: 7 x 1 = 7

(a) Discuss various types of server operating system.
(b) Explain distributed computing environment in detail.

5. Attempt any *one* part of the following: 7 x 1 = 7

(a) What do you mean by network management? Discuss various functional areas of network management.
(b) Discuss various network management architectures along with their merits and demerits.

6. Attempt any *one* part of the following: 7 x 1 = 7

(a) What do you understand by surge protectors? Discuss considerations and compatibility power supplies.
(b) Discuss availability, reliability and serviceability in terms of client/server systems development.

7. Attempt any *one* part of the following: 7 x 1 = 7

(a) What is GIS and why it matters? Discuss various types of GIS.
(b) What do you mean by system administration? Discuss various duties of system administrator.

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