

M.C.A.

THEORY EXAMINATION (SEM-IV) 2016-17

CLIENT SERVER COMPUTING

Time : 3 Hours

Max. Marks : 100

Note : Be precise in your answer. In case of numerical problem assume data wherever not provided.

SECTION – A

1. Explain the following:

10 x 2 = 20

- (a) Illustrate with the diagram how multiple applications can be integrated.
- (b) Which provides the additional advantages of a higher level of syntax for system development?
- (c) State the functionalities of CORBA.
- (d) Mention the technique requires the user to be aware of the difference between data sources and explain.
- (e) Compare Ethernet versus token ring versus FDDI.
- (f) How multiple classes of service are categorized in ATM?
- (g) Mention the major activities in system planning (SILC phase).
- (h) What is the need of database driver?
- (i) Mention the different technology used in end user training.
- (j) Draw architectural of typical expert systems application.

SECTION – B

2. Attempt any five of the following questions:

5 x 10 = 50

- (a) Discuss in detail the benefits of client-server computing.
- (b) Explain in detail the GUI design standards and basic principles of effective GUI design.
- (c) Give brief about the role of the client.
- (d) Elaborate concept of server scalability.
- (e) Discuss about database drivers and data sources.
- (f) Brief about RAID technologies.
- (g) Discuss about objectives of effective project management.
- (h) Enumerate components of SDE.

SECTION – C

Attempt any two of the following questions:

2 x 15 = 30

- 3 What is client server computing? Broadly explain client- server architecture with its advantages.
- 4 (i) What are the components of OLE DB? Explain .
(ii) Write short notes on data exchange format.
- 5 Explain in detail the steps needed to build a student registration database scheme and discuss the major elements of it.