

CLIENT SERVER COMPUTING

(For those who joined in July 2008 and after)

Time : Three hours

Maximum : 75 marks

SECTION A — (10 × 1 = 10 marks)

Answer ALL questions.

Choose the correct answer :

1. In distributed computing, the user has _____ access to the data.
(a) Transparent (b) Non-transparent
(c) Doesnot (d) None
2. Downsizing involves _____ applications from mainframe to smaller platform.
(a) reading (b) copying
(c) porting (d) none
3. The operating system on client hardware _____ be the same as server OS.
(a) may (b) maynot
(c) either (a) or (b) (d) none

4. Client/server applications are _____ in nature.
 (a) Top-down (b) Bottom-up
 (c) Modular (d) None
5. Most client/server applications use a _____.
 (a) character user interface
 (b) graphical user interface
 (c) menu oriented interface
 (d) none
6. OS/2 2.0 is a _____ bit operating system.
 (a) 16 (b) 32
 (c) 64 (d) none
7. Symmetric multiprocessing allows a task to be _____ assigned to any processor.
 (a) statically (b) periodically
 (c) dynamically (d) none
8. Server performance is _____ while the reconstruction process is going on.
 (a) increased (b) same
 (c) degraded (d) none
9. Semaphore _____ one process from writing to a memory location actively used by another process.
 (a) allows (b) prevents
 (c) waits (d) none

10. Icons are used to represent objects such as
 (a) files (b) folders
 (c) devices (d) all the above

SECTION B — (5 × 7 = 35 marks)

Answer ALL questions.

11. (a) What are the benefits of GUI based applications? Explain briefly.
 Or
 (b) Explain multithreaded processing.
12. (a) List out the components of client/server computing.
 Or
 (b) What is meant by reliability?
13. (a) What are the characteristics of screen? Explain.
 Or
 (b) Write short notes on SQL interface.
14. (a) Write the importance of application server.
 Or
 (b) What is meant by multiprocessing? Explain briefly.

15. (a) What is meant by platform independence? Explain.

Or

- (b) What is ODBC? How does an application communicate with relational data sources?

SECTION C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Illustrate the software trends in the case of relational databases.
17. Discuss briefly about open systems and its standards.
18. Write short notes on :
- (a) Generated application logic.
 - (b) Native API.
19. What is meant by remote procedure calls? Explain briefly.
20. Discuss briefly on 'stored procedures'. Compare it with the interactive queries.