

1- What are the Advantages of Distributed Systems over Independent PCs?

- a. Resource Sharing
- b. Communication
- c. Data sharing
- d. All answers are correct

2- Intranets are linked together by backbone, which is a link with a high transmission rate.

- a. True
- b. False

3-----adjust traffic between dissimilar networks, while -----adjust traffic between similar networks

- a. Routers, Routers
- b. Gateways , Routers
- c. Routers, Gateways
- d. No answer is correct

4- Incremental growth means-----

- a. Computing power can be added in small increments.
- b. Autonomous components executing concurrent tasks
- c. Make human-to-human communication easier, for example by electronic mail.
- d. No answer is correct

5 -----is (are) Security Mechanism(s)

- a. Authorization
- b. Authentication
- c. All answers are correct
- d. Encryption

6- The components of distributed system are located at computers interconnected via a network. They can communicate and coordinate their actions-----

- a. message passing or shared memory
- b. data file passing
- c. only by message passing
- d. only by shared memory

7 -----is (are) Challenge(s) of designing scalable distributed systems.

- a. Preventing software resources running out
- b. Avoiding performance bottlenecks
- c. Cost of physical resources should linearly increase with system size
- d. all answers are correct

8 -----indicates a complete interaction between a client and server, from the point when the client sends the request until receiving the server's response

- a. client invokes an operation
- b. No answer is correct
- c. server responding to a request
- d. Remote invocation

9- In -----, a small, closed Group of users cooperate directly and share resources .

- a. Internet Service Providers
- b. Computer supported cooperative working
- c. No Answer is correct
- d. Ubiquitous

10- The main motivating factor for constructing distributed systems:

- a. Global state.
- b. Resources Sharing.
- c. Global clock.
- d. Single coherent view of a system

11- In terms of distributed system, Encryption and Authentication are Mechanisms used to:

- a. Enhance security.
- b. Enhance Fault Tolerance.
- c. Transparency
- d. Enhance Scalability.

12- In terms of distributed system definition, independent computers mean:

- a. Each computer has a different role, client- server model.
- b. Independent concurrent processes.
- c. Each computer has its own OS and Resources.
- d. Each computer has a unique IP address.

13- In terms of distributed system definition, networked computers communicate and coordinate their actions only by:

- a. Distributed system software
- b. Packet transmission
- c. Message passing
- d. Shared memory