

# Anjuman-i-Islam's M.H Saboo Siddik College Of Engineering, Mumbai-08, Summer Examination June 2021.

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\* Required

0306\_MCQ\_\_DC\_CSC802\_ R16\_COMP\_CBCGS\_Sem-VIII

Q1. Choose the correct option for following questions. All the Questions are compulsory and carry 2 marks each.

Q 1) \*

A layer which lies between an operating system and the applications running on it is called as -

- ☐ Firmware
- ☒ Middleware
- ☐ Software
- ☐ Hardware



Q 2) \*

## Goals of Distributed system does not include-

- ☒ Sharing memory space
- ☐ Resource sharing
- ☐ Concurrent process execution
- ☐ Access to remote resources

Q 3) \*

Which of the following is not the commonly used semantics for ordered delivery of multicast messages -

- ☐ Absolute ordering
- ☐ Casual ordering
- ☐ Consistent ordering
- ☒ Persistent ordering

Q 4) \*

The type of transparency that enables resources to be moved while in use without being noticed by users and application is-

- ☐ Location Transparency
- ☒ Relocation Transparency
- ☐ Access Transparency
- ☐ Migration Transparency



Q 5) \*

A paradigm of multiple autonomous computers, having a private memory, communicating through a computer network, is known as-

- ☐ Parallel computing
- ☐ Centralized computing
- ☒ Distributed computing
- ☐ Cloud computing

Q 6) \*

Following is not the common mode of communication in Distributed system-

- ☐ RMI
- ☐ Message Passing
- ☐ RPC
- ☒ Shared memory

Q 7) \*

Following is not the physical clock synchronization algorithm-

- ☐ Berkley clock synchronization
- ☐ Christians clock synchronization
- ☐ Network time protocol
- ☒ Lamport's Scalar Clock synchronization



Q 8) \*

**Distributed Mutual Exclusion Algorithm does not use-**

- ☐ Logical clock for event ordering
- ☐ Request and Reply message
- ☐ Token
- ☒ Coordinator process

Q 9) \*

**Vector Timestamp Ordering Algorithm is an example of-**

- ☐ Physical Clock Synchronization
- ☐ Distributed Mutual Exclusion
- ☐ Centralized Mutual Exclusion
- ☒ Logical Clock Synchronization

Q 10) \*

**What is fault tolerance in distributed Computing?**

- ☒ Ability of system to continue functioning in the event of a partial failure.
- ☐ Ability of system to continue functioning in the event of a complete failure.
- ☐ Ability of distributed system to work in all conditions.
- ☐ Ability of system to continue functioning when system is properly working.



Q 11) \*

**In Task Assignment Approach, we have to-**

- ☐ Maximize IPC cost
- ☐ Fix IPC cost
- ☒ Minimize IPC cost
- ☐ Keep constant IPC cost

Q.12) \*

**Backward error recovery requires-**

- ☐ Grouping
- ☒ Check pointing
- ☐ Assurance
- ☐ Validation

Q.13) \*

**Which of these consistency models does not use synchronization operations?**

- ☐ Weak
- ☒ Sequential
- ☐ Entry
- ☐ Release



Q.14) \*

Which is not possible in distributed file system?

- ☐ Remote access
- ☐ File replication
- ☒ Migration
- ☐ Client interface

Q.15) \*

X.500 is a-

- ☐ Consistency services
- ☐ Replication services
- ☒ Directory services
- ☐ Naming services

Q.16) \*

A DFS is executed as a part of-

- ☐ File system
- ☒ Operating system
- ☐ Application program
- ☐ System specific program



Q.17) \*

**Processes on the remote systems are identified by-**

- ☐ Host ID
- ☐ Process ID
- ☒ Host name and identifier
- ☐ Identifier

Q.18) \*

**The function of load-balancing algorithm is-**

- ☐ It helps the process to know the time by simply making a call to the operating system.
- ☒ It tries to balance the total system load by transparently transferring the workload from heavily loaded nodes to lightly loaded
- ☐ It synchronizes the clocks
- ☐ allows a process to access named entity

Q.19) \*

**A Multi-threaded Server has following threads-**

- ☐ Dispatcher Thread
- ☒ Client and Server Thread
- ☐ Client Thread
- ☐ Worker Thread



Q.20) \*

**Maekawa's Mutual Exclusion Algorithm is based on-**

- ☐ Coordinator selection
- ☐ Tickets
- ☐ Token
- ☒ Voting

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