

Question # 6 of 10 (Start time: 06:18:38 PM, 06 January 2026)

Operating systems provide a/ an _____ between (virtualized or physical) hardware and software applications.

Select the correct option

<input type="radio"/>	Physical Layer
<input checked="" type="radio"/>	Abstract Layer
<input type="radio"/>	Virtual Layer
<input type="radio"/>	Orchestration Layer

Question # 5 of 10 (Start time: 06:18:21 PM, 06 January 2026)

A _____ is a group of independent servers running identical operating systems that are connected via a network.

Select the correct option

<input type="radio"/>	Mainframe
<input type="radio"/>	Hypervisor
<input type="radio"/>	Real Time Operating System
<input checked="" type="radio"/>	Failover Cluster

Question # 4 of 10 (Start time: 06:18:11 PM, 06 January 2026)

_____ is a technique where the memory is freed by moving less used memory pages to disk.

Select the correct option

<input checked="" type="radio"/>	Swapping
<input type="radio"/>	Voting
<input type="radio"/>	Paging
<input type="radio"/>	Mapping

Question # 3 of 10 (**Start time: 06:17:59 PM, 06 January 2026**)

_____ are programming functions which provide a hardware-independent interface to tasks the system can perform for applications.

Select the correct option

<input type="radio"/>	Kernal
<input type="radio"/>	Drivers
<input checked="" type="radio"/>	API
<input type="radio"/>	System Calls

Question # 2 of 10 (Start time: 06:17:43 PM, 06 January 2026)

When a node in the cluster fails, a _____ determines which part of the cluster is faulty and which part of the cluster is working properly.

Select the correct option

<input type="radio"/>	Counting
<input type="radio"/>	Priority
<input type="radio"/>	Renderering
<input checked="" type="radio"/>	Voting

IT602 - Information Technology Infrastructure (Quiz No 4)

Question # 1 of 10 (Start time: 06:17:29 PM, 06 January 2026)

_____ is an error detection and correction technology for servers.

Select the correct option

<input checked="" type="radio"/>	Triple Modular Redundancy
<input type="radio"/>	Lockstepping
<input type="radio"/>	Error Checksum
<input type="radio"/>	Parity

Question # 10 of 10 (Start time: 06:19:26 PM, 06 January 2026)

_____ is a technique used when memory is really very low and it is freed by moving an entire application's allocated memory to disk.

Select the correct option

<input type="radio"/>	Paging
<input type="radio"/>	Mapping
<input type="radio"/>	Voting
<input checked="" type="radio"/>	Swapping

Question # 9 of 10 (Start time: 06:19:12 PM, 06 January 2026)

Total Marks: 1

----- is a model for enabling ubiquitous, convenient, on-demand network access to a shared pool of configurable computing resources that can be rapidly provisioned and released with minimal management effort or service provider interaction.

Select the correct option

[Reload Math Equations](#) Cloud computing Cluster Computing Edge Computing Grid Computing

Question # 8 of 10 (Start time: 06:19:01 PM, 06 January 2026)

Total Marks: 1

A ----- infrastructure minimizes compatibility issues between servers, storage systems and network devices while reducing costs for cabling, cooling, power and floor space.

Select the correct option

[Reload Math Equations](#) Colocation Outsource Converged Enterprise

Question # 7 of 10 (Start time: 06:18:49 PM, 06 January 2026)

A single processor core virtually work as a multi-core processor in the technique named _____.

Select the correct option

<input type="radio"/>	Branching
<input type="radio"/>	Multiprocessing
<input checked="" type="radio"/>	Hyper-threading
<input type="radio"/>	Prefetching