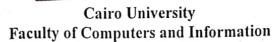
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Final Term Exam

C .					
Course	Name	Salastad'	Conic 1	(Cloud	Computing)
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Course Code: CS495

Instructor(s): Prof. Fatma Omara

Date: 4/6/2023 **Duration: 2 hours** Total Marks: 60

Answer The Following Questions Question 1: Complete the following statements [30 marks] In Cloud Computing, concerns about resource discovery and selection a. Scheduling b. Provisioning c. Monitoring d. All the above refers to the interaction and communication between machines to produce and exchange data a. Big Data b. Consolidation Internet of Things d. Migration

- is the technology integrating Cloud Computing with Mobile environment.
 - a. Ad hoc Computing
 - b. Edge Computing
 - Virtualization
 - Mobile Cloud Computing
- is used to overcome the latency by processing data at the network edge instead of Cloud
 - Edge Computing
 - b. Fog Computing
 - c. Ad hoc Computing
 - d. Mobile Computing
 - Which of the following service provider provides the least amount of built-in security?
 - a. SaaS
 - b. PaaS
 - c. IaaS
 - d. All the above
- Migration is the process of moving a VM from.....
 - a. One host server to another
 - b. Storage location to another
 - one data center to another
 - All the above

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	_	into several VMs
	7-	is the abstraction of a data center clusters hardware into several VMs
	,	a. Horizontal Virtualization (
.Ž		b. Vertical Virtualization c. X-Y Virtualization
		d. Not all the above
	8-	the presence of more than one cloud deployment of the same type sourced from different vendors.
		a. Public Cloud
		b. Private Cloudc. Hybrid Cloud
		Multi Cloud
	9-	is a cloud service provided to the users to complete their tasks by accessing and running functions on the user premises.
		a. SaaS
		b. PaaS c. IaaS
		4. Attached Service
	10-	is a collection of organizations have the same aims to share data and computing
	1	a. P2P
(-	- 1	b. Cluster Computing c. Grid Computing
<u>)</u>		d. Virtual Organization
	11-	is a combination of heterogeneous, hierarchical, and distributed computing resources
		a. Grid
		b. Cloud c. Clusters
		d. Jungle Computing
	12-	is the time during which VM on the host is not available.
		a. Response time
		b. Turnaround time
		d. Migration time
	12	d. Migration time is a technique for transferring VM execution to an optimal offload site
	13-	as users move
		a. Cloudlet
٠.		b. Virtual organization
		d. VM handoff d. VM Synthesis
	14-	is composed of multiple internal or external clouds.
		a. Private Cloud
		b. Public Cloud
1		d. Hybrid Cloud
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15-	Which of the following type of virtualization is also characteristic of cloud computing
	a. Storage b. Application c. CPU
16	Which of the S. H
10-	Which of the following is the operational domain of Cloud Computing?
	 a. Scalability b. Portability and interoperability c. Flexibility d. All the above
17-	If one site fails in the distributed system,
	a. The remaining sites can continue operating b. All the sites will stop working c. Directly connected sites will stop working d. None of the mentioned
18-	Which computing can be heavy weight and dense form of computing power?
	a. Mobile Cloud Computing b. Fog computing c. Ad Hoc computing d. Cloud Computing
19-	is a collection of organizations have the same aims constructed dynamically to share data.
	a. P2P
	b. Cluster Computing
	c. Grid Computing d. Virtual Organization
20-	What are characteristics of distributed system?
	 a. Its users, servers and storage devices are dispersed b. Service activity is not carried out across the network c. They have single centralized data repository d. There are multiple dependent storage devices
21-	When the virtual machine manager (VMM) is directly installed on the hardware system is
	known as Hardware virtualization Deerating system Virtualization
	A. Hardware virtualization Operating system Virtualization
	c. Server Virtualization.
20	d. Storage Virtualization
22-	In distributed system each processor has its own
	a. Local Memory b. Clock
	c. Both Local Memory and Clock
	d. None of the above

	t wited hardware environment to
23-	another to save energy.
	a. Green ICT b. Load balance c. Consolidation d. All the above
24-	d. All the above
25-	d. Interoperability What is the common problem found in the distributed system
$\begin{bmatrix} -1 \end{bmatrix}$	a. Process Synchronization b. Communication synchronization Deadlock and/or live lock problems All the above
26-	The capability of a system to adapt the needed service load is called
1-1	a. Scalability b. Tolerance c. Capacity d. Availability
27	Availability Marvests IT resources from existing nonexclusive and sporadically available hosts in a company and exposes them to Cloud users
28	a. Mobile Cloud Computing b. Fog Computing c. Grid Computing hitting distribution from the users or programs
	a. Reliability b. Productivity Transparency d. All of the mentioned
29	b. VM Synthesis c. VM Migration
30	d. Not the above the degree to which new resource can be added and made available for using by a variety of client programs.
	a. Heterogeneity C. Openness C. Scalability d. All of the mentioned

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Question	-
Ancestion	2:

[10 marks]

What is the relationship between the following:



Availability and Reliability



Scalability and Openness

Utility Computing and Cloud Computing

IOT, Fog, and Big Data

Hybrid Cloud and Multi Cloud

Question 3

[20 marks]

What are the similarities and differences between the following:

Windows Azure and Google AppEngine

Fog Computing and Cloudlet Computing

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Full Virtualization and Para Virtualization

Data Locality and Computing Locality

Means moving Comptection Vather Than moving Data to Save barbwith.

With My Best Wishes Prof. Fatma Omara

that Computations shall be performed on the Same Phosical or legical note as The John They requiter