



Cairo University Faculty of Computers and Information Frist Term 2022



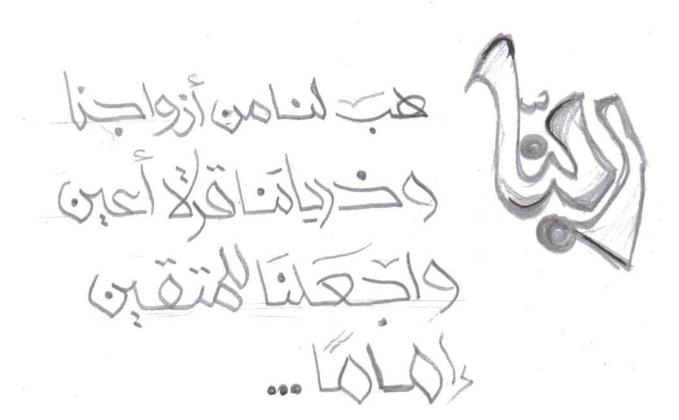
Compensate	
Program: Advanced Topics in Software Engineering	
Course Name: Cloud Computing	Date: 27/12/2020
Course Code: CS466	Duration: 2 hours Total Marks: 30
Instructor(s): Prof. Fatma Omara	Total Marks: 50
Answer The Follo	wing Questions
Question 1 [10 marks]	1 2 2
Complete the following statements	Comple.
1 provides computing environment to deve	elop software systems
a) laaS	
b) SaaS	12
c) PaaS	
d) All of the mentioned	11/1/100
	om the users or programs
a) Reliability	- Control Control
b) Productivity	(.)
c) Transparency	1 Z 1.
d) All of the mentioned	
	ftware / hardware components located at a
network	eware, maranare components is stated as a
a) Computer Network	
b) Cluster System	
c) Networked Computing	
d) Distributed System	who are the second
4- Degree to which a system able to adapt worklo	ad by provisioning and de-provisioning
resources automatically	
a) OpEx	
b) Transparency	
c) Resource Provisioning	
d) Elasticity	₹8 H
	table and computing recovers
5- Combination of heterogeneous, hierarchical, and di	stributed computing resources.
a) Jungle Computing	. (0.0
b) Distributed System	11000 SIR-CO DY
c) Edge Computing	21000000
d) P2P Computing	- 0)10 0 5/ 0/5
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6-	concerns about allocating tasks on VMs
	a) Grid Computing
	b) Resource Provision
	c) Task Scheduling
	d) Cloud Computing
7-	a consumer can provision computing capabilities as needed automatically
	without requiring human interaction with each service provider.
	a) Resource Pooling
	b) Measured Service
	c) On-demand Self-Service
	d) All of the mentioned
8	consists of Private and Public Cloud a) Public Cloud
	b) Private Cloud
	c) Hybrid Cloud
	d) Multi Cloud
9-	the interaction and communication between billions of devices that
	produce and exchange data related to real-world objects
	a) Big Data
	b) Internet of Things
	c) Edge Computing
	d) All of the mentioned Fog Computing
10-	a mobility-enhanced small-scale cloud data center located at the edge of the internet.
	a) Edge Computing
	b) Fog Computing
	c) Cloudlets
	d) all of the mentioned

Question 2 [20 marks]

What are the similarities and differences between the following:

- 1. Grid Computing and Cloud Computing
- 2. Regular Migration and Warm Migration
- 3. Scalability and Openness .
- 4. Virtualization and Emulation
- 5. P2P system and Cluster system
- 6. Transparent and Availability
- 7. Tightly Coupled systems and Loosely Coupled system
- 8. Resource Scheduling and Resource Provisioning
- 9. Virtual Machine and Container
- 10. Hybrid Cloud and Multi Cloud



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