



Cairo University Faculty of Computers and Information Frist Term 2022



Compensated Exam

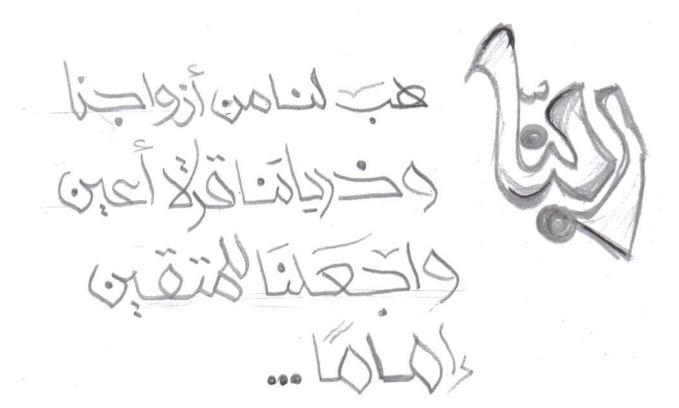
Program: Advanced Topics in Software Engineering	
Course Name: Cloud Computing	Date: 27/12/2020
Course Code: CS466	Duration: 2 hours
Instructor(s): Prof. Fatma Omara	Total Marks: 30
A THE TOTAL	0 4:
Answer The Following	Questions
Question 1 [10 marks]	1 2
	(Sh) ()
Complete the following statements	
1- provides computing environment to develop soft	ware systems
	7-1-12
a) laaS	71-11-
b) SaaS	1 801=
c) PaaS d) All of the mentioned	
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2hitting distribution from the users or programs	
a) Reliability	(.)18
b) Productivity	
c) Transparency d) All of the mentioned	ZUN
	(hands one components located at a
	hardware components located at a
network	
a) Computer Network	
b) Cluster System	
c) Networked Computing	
d) Distributed System	
4- Degree to which a system able to adapt workload by provisioning and de-provisioning	
resources automatically	
a) OpEx	
b) Transparency	
c) Resource Provisioning	
d) Elasticity	
5- Combination of heterogeneous, hierarchical, and distribute	d computing resources.
a) Jungle Computing	
b) Distributed System	0 2/1 - 21
c) Edge Computing	2001, SUR SOL 97 8
d) P2P Computing	the latest the second
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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	
	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
 - Y. Virtual Machine and Container
 - 10. Hybrid Cloud and Multi Cloud



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