



Cairo University Faculty of Computers and Information Frist Term 2022



Compensated Exam

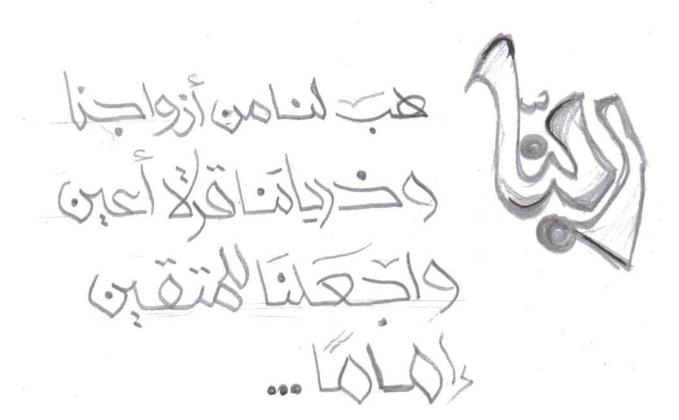
Program: Advanced Topics in Software Engineering		
Course Name: Cloud Computing	Date: 27/12/2020	
Course Code: CS466	Duration: 2 hours	
Instructor(s): Prof. Fatma Omara	Total Marks: 30	
Answer The Fol	llowing Questions	
Question 1 [10 marks]		
	6,496	
Complete the following statements		
1 provides computing environment to d	evelop software systems	
a) IaaS		
b) SaaS	112	
c) PaaS	18	
d) All of the mentioned	11/1/100	
79	n from the users or programs	
a) Reliability		
b) Productivity	(.)	
c) Transparency	1 7 1	
d) All of the mentioned	- 21	
	software / hardware components located at a	
	Software / 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 work	kload by provisioning and de-provisioning	
resources automatically		
a) OpEx		
b) Transparency		
c) Resource Provisioning		
d) Elasticity		
5- Combination of heterogeneous, hierarchical, and	d distributed computing resources.	
a) Jungle Computing		
b) Distributed System	-1626.1 - 31	
c) Edge Computing	1 800 (DUS SQ S)	
d) P2P Computing	· and principal control	
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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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