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 Following Questions

Question 1 [10 marks]

Complete the following statements

1- _____ provides computing environment to develop software systems

   a) IaaS
   b) SaaS
   c) PaaS
   d) All of the mentioned

2- _____ hitting distribution from the users or programs

   a) Reliability
   b) Productivity
   c) Transparency
   d) All of the mentioned

3- _____ is a System contains 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 workload by provisioning and de-provisioning resources automatically

   a) OpEx
   b) Transparency
   c) Resource Provisioning
   d) Elasticity

5- Combination of heterogeneous, hierarchical, and distributed computing resources.

   a) Jungle Computing
   b) Distributed System
   c) Edge Computing
   d) P2P Computing

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

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

الرّبّ

هب لنا من أزواجنا وذرياتنا قرّة أعين واجعلنا للمتقين إماماً ...

غاية طموحي وذروة نجاحي