Cairo University
Faculty of Computers and Artificial Intelligence

Med Term Exam

Course Name: Advanced Topics in Software Engineering   **Date: 20/11/2022**
Course Code: CS466   **Duration:** 1 hours
Instructor(s): Prof. Fatma Omara   **Total Marks:** 20

Answer The Following Questions

Question 1: Complete the following statements   [10 marks]

1- ………. concerns about how to allocate resources of a system in Cloud Computing among users' workloads

     a. Scheduling
     b. Provisioning
     c. Monitoring
     d. All the above

2- ……. is a cloud service provided to the developers to develop applications

     a. SaaS
     b. PaaS
     c. IaaS
     d. All the above

3- ……….is the degree to which new resource can be added and made available for using by a variety of client programs

     a. Scalability
     b. Openness
     c. Heterogeneity
     d. Reliability

4- …………… is a combination of heterogeneous, hierarchical, and distributed computing resources

     a. Grid
     b. Cloud
     c. Clusters
     d. Jungle Computing

5- Which of the following service provider provides the least amount of built-in security ------------------

    a. SaaS
    b. PaaS
    c. IaaS
    d. All the above

6- Distributed systems have ------------------

    a. High security
    b. Better resource sharing
    c. Better system utilization
    d. Low system overhead

7- 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

8- Attached Services is considered ------------------

    a. SaaS
    b. PaaS
    c. IaaS
    d. All the above

9- Hide that a resource may be moved to another location while in use ------------

    a. Access Transparent
    b. Relocation Transparent
    c. Migration
    d. All of the mentioned

10- Which of the following is not an advantage of Distributed ems ------------------

    a. Reliability
    b. Incremental growth
    c. Resource sharing
    d. None of the above

Question 2: Define the following   [10 marks]

[1] Cloud Computing

[2] Performance miss match

[3] Live Lock

[4] Cloud Bursting

[5] SLA

With My Best Wishes
Prof. Fatma Omara