Reg. No. :

Question Paper Code: 47203

B.E. / B.Tech. DEGREE EXAMINATION, MAY 2022

Seventh Semester

Computer Science and Engineering

14UCS703 - INSIGHT INTO CLOUD COMPUTING

(Common to Information Technology)

(Regulation 2014)

Duration: Three hours   Maximum: 100 Marks

Answer ALL Questions

PART A - (10 x 1 = 10 Marks)

1. Which of the following is related to service provided by Cloud?

    (a) Sourcing   (b) Ownership   (c) Reliability   (d) AaaS

2. _____ Cloud is one where the cloud has been organized to serve a common function or purpose.

    (a) Public   (b) Private   (c) Community   (d) All of the mentioned

3. Which of the following network resources can be load balanced?

    (a) Connections through intelligent switches   (b)DNS

    (c) Storage resources   (d) All of the mentioned

4. _____ describes a cloud service that can only be accessed by a limited amount of people.

    (a) Data center   (b) Private cloud   (c) Virtualization   (d) Public cloud

5. Which of the following is associated with considerable vendor lock-in?

  (a) PaaS   (b) IaaS   (c) CaaS   (d) SaaS

6. Amazon Elastic Compute Cloud is designed as _____ cloud model

  (a) Community cloud   (b) Public cloud

  (c) Private cloud   (d) Hybrid cloud

7. Which of the following services that need to be negotiated in Service Level Agreements?

  (a) Logging   (b) Auditing   (c) Regulatory compliance (d) All of the mentioned

8. Which of the following is operational domain of CSA?

  (a) Scalability   (b) Portability and interoperability

  (c) Flexibility   (d) None of the mentioned

9. _____ computing service in a single heterogeneous architecture

  (a) Multi cloud   (b) System cloud

  (c) Single cloud   (d) All of the mentioned

10. SOA offers a _____ design and reusable components in large deployments.

  (a) Physical   (b) Logical

  (c) External   (d) All of the mentioned

PART - B (5 x 2 = 10 Marks)

11. What are the essential characteristics of cloud computing?

12. What is Virtualization?

13. Why should one prefer public cloud over private cloud?

14. Who is a Malicious Insider?

15. List out the benefits of multi cloud management system.

PART - C (5 x 16 = 80 Marks)

 16.(a) Draw the neat sketch of IAAS model in detail.   (16)

Or

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(b) How is Cloud Computing Different from Traditional IT Infrastructure? (16)

17. (a) Why virtualization is needed? Explain virtualization techniques in detail. (16)

Or

(b) Define private cloud? Discuss about characteristics and building blocks of private cloud. (16)

18. (a) Elucidate various public cloud service models in detail (16)

Or

(b) (i) Explain with example of SaaS in public cloud. (8)

(ii) What are the security issues of PaaS model in public cloud. (8)

19. (a) Identify the challenges of Cloud Security in detail. (16)

Or

(b) Elaborate the various security threats of cloud computing (16)

20 .(a) Discuss the benefits and advantages of multi cloud management systems. (16)

Or

(b) Explain how would you apply cloud in banking and financial sector in detail? (16)

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