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Question Paper Code: 47203

B.E. / B.Tech. DEGREE EXAMINATION, MAY 2018

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)

- Which of the following is related to service provided by Cloud?
(a) Sourcing (b) Ownership (c) Reliability (d) AaaS
- _____ 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
- 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

(b) Compare and contrast of public, private and hybrid cloud. (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) Write notes on

(i) Data Loss or Leakage. (8)

(ii) Account or Service Hijacking. (8)

20.(a) Illustrate the concept of multi cloud management and list out the benefits and challenges of heterogeneous clouds. (16)

Or

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

