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Question Paper Code: 47203

B.E. / B.Tech. DEGREE EXAMINATION, NOV 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)

- The idea of cloud computing is based on a very fundamental principal of?
(a) Grid Computing (b) Reusability of IT capabilities
(c) Distributed Computing (d) Utility
- _____ 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
- In virtualization technology, _____ is piece of software that allows the physical servers can have multiple instances of virtual machines.
(a) VMware (b) Emulator (c) Paraboli (d) Citrix Xen

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 is cloud Computing ?
12. Define server 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) Explain in detail about Cloud architecture model (16)

Or

(b) Compare and contrast of public, private and hybrid cloud. (16)

17. (a) (i) How does virtualization work in cloud computing? (8)

(ii) Illustrate the stages of live migration process with neat sketch. (8)

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

Or

(b) Write notes on

(i) Data Loss or Leakage. (8)

(ii) Account or Service Hijacking. (8)

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)

