Subject : CLOUD COMPUTING (01CE0803)

Date : 16-Sep-2021   Time : 3 Hours   Total Marks : 100

<u>Instructions :</u>

1. **Attempt all questions.**
2. **Make suitable assumptions wherever necessary.**
3. **Figures to the right indicate full marks.**

Que.1 **Answer the following objectives**   **[10]**
(A)

(1)   An internal cloud is…

a) An overhanging threat,b)A career risk for a CIO,c)A cloud that sits behind a corporate firewall
d)The group of knowledge workers who use a social network for water-cooler gossip

(2)   Which of the following is Type 1 VM ?
   a.   VirtualLogix VLX
   b.   VMware ESX
   c.   Xen
   d.   LynxSecure

(3)   Which cloud service that can only be accessed by a limited amount of people.
a) Data center,b)Private cloud,c)Virtualization,d)Public cloud

(4)   Which of the following will be the host operating system for Windows Server?
a) VirtualLogix VLX,b) Microsoft Hyper-V,c) Xen,d) All of the mentioned

(5)   Which of the following is a billing and account management service?
a) Amazon Elastic MapReduce,b) Amazon Mechanical Turk,c) Amazon DevPay,d) Multi-Factor authentication

(6)   Point out the correct statement.
a) Google's cloud includes perhaps some 10 data centers worldwide,b) Flipkart.com's infrastructure was built to support elastic demand so the system could accommodate peak traffic,c) Data centers have been sited to optimize the overall system latency,d) All of the mentioned

(7)   Which AWS database service is best suited for traditional Online Transaction Processing (OLTP)?
a)Amazon Redshift,b)Amazon Relational Database Service (Amazon RDS),c)Amazon Glacier,d)Elastic Database

(8)   Which is the feature of cloud computing that allows the service to change in size or volume in order to meet a user's needs.

a)Scalability,b)Virtualization,c)Security,d)Cost-savings

(9)   Which of the following statement is true?
a)SaaS enables the remote access of software via Internet where web-browser acts as a

thin-client,b)SaaS provides the access of non-commercial software only,c)SaaS is only service model, which does not support pay-as-use model,d)SaaS provides a multi-tenant application delivery in a many-to-one model

(10)   Which of the following can be identified as cloud?
a) Web Applications,b) Intranet,c) Hadoop,d) All of the mentioned

Que.1   **Answer the following questions.**   **[10]**

(B)

(1)   How Can Security of Data Concerns Be addressed in cloud?

(2)   What is on demand Self Service in Cloud?

(3)   What Exactly Cloud Computing As Concisely And Simply As Possible In Layman Language?

(4)   Describe Cloud Computing As Concisely And Simply As Possible In Layman Language?

(5)   Define Data ownership

(6)   What Is A Cloud?

(7)   How Many Types Of Deployment Models Are Used In Cloud?

(8)   What are the components of Cloud Computing?

(9)   List out Cloud Computing Service Model.

(10)   List out Cloud Computing Deplyoyment Model

Que.2

(A)   Define Hypervisor. List and Explain different types of Hypervisor with example.   [8]

(B)   Discuss Limitations of PAAS.   [8]

OR

(B)   What are the differences between NAT Gateways and NAT Instances?   [8]

Que.3

(A)   Which are the service models of cloud? Which service model is suitable for storing the large amount of data and   [8]
        performing heavy computation tasks of a Scientific research lab? Justify your answer.

(B)   Name some basic characteristics of cloud computing?   [4]

(C)   What does an AMI (Amazon Machine Image) include?   [4]

OR

(A)   Write security best practices?   [8]

(B)   Explain Benefits of Virtualization.   [4]

(C)   List out the disadvantages of Cloud Computing.   [4]

Que.4

(A)   How to Configure the CloudSim ?   [8]

(B)   How securities policies are implemented on cloud Computing?   [8]

OR

(A)   Explain in detail Community Cloud   [8]

(B)   How do cloud systems work on distributed systems?   [8]

Que.5

(A)   What is the requirement of virtualization platforms in implementing cloud?   [6]

(B)   List the main features of cloud service. How is API used in cloud services?   [6]

(C)   What can be done using Cloud Computing?   [4]

<div align="center">OR</div>

(A)   What Is Hyper-v ?How it is Differed from typpe-2 Hypervisor.   [6]

(B)   What you think is new about cloud computing security?   [6]

(C)   What are the best practices for Security in Amazon EC2?   [4]

Que.6

(A)   write Benefits of cloud security.   [8]

(B)   What are Hypervisor Vulnerabilities   [4]

(C)   Explain advantages and disadvantages of Virtual Machine.   [4]

<div align="center">OR</div>

(A)   Describe in detail with figure different Service Models Exist in Cloud Computing.   [8]

(B)   What are two parameters are considered while performing the live VM-migration.   [4]

(C)   Explain Virtualization in Cloud Computing   [4]

<div align="center">*---Best of Luck---*</div>

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Difficulty Level	Weightage		No of Question	Total Marks	Question List
	Recommended	Actual			

Module Name	Weightage		No of Question	Total Marks	Question List
	Recommended	Actual			

Blooms Taxonomy	Weightage		No of Question	Total Marks	Question List
	Recommended	Actual			
Remember / Knowledge	10	31.40	20	54	1(A), 1(B), 2(A), 4(A), 4(B), 5(C), 6(A), 6(C)
Understand	20	66.28	24	114	1(A), 1(B), 2(B), 3(A), 3(B), 3(C), 4(A), 4(B), 5(A), 5(B), 6(A), 6(B), 6(C)
Apply	25	0.00	0	0	
Analyze	25	2.33	1	4	5(C)
Evaluate	10	0.00	0	0	
Higher order Thinking	10	0.00	0	0	