MARWADI UNIVERSITY

Faculty of Technology

Computer Engineering/Information Technology   **B. TECH.**

SEM: 7ᵗʰ   MU FINAL REGULAR   **December: 2022**

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Subject: - (Cloud Computing) (01CE0710)   **Date:- 12/12/2022**

Total Marks:-100   **Time: - 10:30 AM TO 01:30 PM**

Instructions:
   1. **All Questions are Compulsory.**
   2. **Make suitable assumptions wherever necessary.**
   3. **Figures to the right indicate full marks.**

Question: 1.

   (a)   Select the correct option for the following question   [10]

1. _____ Model consists of the particular types of services that you can access on a cloud computing platform.
   A. Service
   B. Deployment
   C. Application
   D. none of the mentioned

2. Which of the following dimension is related to organization's boundaries?
   A. Physical location of data
   B. Ownership
   C. Security boundary
   D. All of the mentioned

3. What is Cloud Computing?
   A. Cloud Computing means providing services like storage, servers, database, networking, etc
   B. Cloud Computing means storing data in a database
   C. Cloud Computing is a tool used to create an application
   D. None of the mentioned

4. Which of the following is Cloud Platform by Amazon?
   A. Azure
   B. AWS
   C. Cloud era
   D. All of the mentioned

5. Which of the following type of virtualization is also characteristic of cloud computing?
   A. Storage
   B. Application
   C. CPU
   D. All of the mentioned

6. 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

7. Which of the following service model of cloud computing is an application middleware offered as a service to developers?
   A. IAAS
   B. PAAS
   C. SAAS
   D. NONE OF THE ABOVE

8. A service that concentrates on hardware follows the _____ as a Service model.
   A. IAAS
   B. SAAS
   C. PAAS
   D. None of The Above

9. Which of the following are the features of cloud computing?
   A. Security
   B. Availability
   C. large network access
   D. All of the mentioned

10. Which of the following is an example of the cloud?
    A. AWS
    B. CISCO WebEx
    C. Drop Box
    D. All of the Mentioned

    (b)   Answer the following questions.   [10]
       1. Give two Examples of SAAS
       2. Give two Examples of IAAS
       3. Give two Examples of PAAS
       4. Define: cloud computing
       5. Name The Several Service model Of Cloud Computing?
       6. Name The Several Deployment model Of Cloud Computing?
       7. What S3 is?
       8. What is AMI?
       9. Define : Hypervisor
       10. Write two benefits of EC2.

Question: 2.

    (a)   Discuss Limitations of SAAS.   [08]
    (b)   Discuss Limitations of PAAS.   [08]

OR

    (b)   Which are the service models of cloud? Which service model is suitable for storing the large amount of data and performing heavy computation tasks of a scientific research lab? Justify your answer.   [08]

Question: 3.

    (a) List out and explain any three Cloud Computing Challenges in detail. [08]

    (b) When user can use SAAS Service. [04]

    (c) What is Amazon EC2 Service? [04]

OR

    (a) Discuss Pros and Cons of Virtualization. [08]

    (b) What is the Role of Hypervisor? [04]

    (c) Name some basic characteristics of cloud computing? [04]

Question: 4.

    (a) Differentiate between Virtualization vs. Cloud [08]

    (b) Explain VM Migration in Cloud Computing [08]

OR

    (a) How does the cloud provider notify you of security breaches? How does the provider separate each client's data? [08]

    (b) Will User Data Kept Confidential When User Put Them on Cloud? [08]

Question: 5.

    (a) List out The Advantages of AWS [06]
    (b) List out The Disadvantages of AWS. [06]

    (c) Explain Stopping, Starting, And Terminating An Amazon Ec2 Instance? [04]

OR

    (a) List out the advantages of Cloud Computing. [06]
    (b) Write Pros and Cons of Cloud Sim. [06]

    (c) Discuss Features of Cloud sim [04]

Question: 6.

    (a) Define and explain the three basic types of cloud services and the AWS products that are built based on them? [08]
    (b) Can Cloud Computing save money? If yes, please explain. [04]

    (c) Explain How To Launch Ec2 Instance in an Availability Zone? [04]

OR

    (a) Describe Private Cloud and its Advantages and Disadvantages. [08]
    (b) Explain the relationship between an instance and AMI?What does AMI include? [04]

    (c) Mention a few benefits of the Elastic beanstalk [04]

---Best of Luck---

– **Bloom'S Taxonomy Report** –

Sub: Cloud Computing
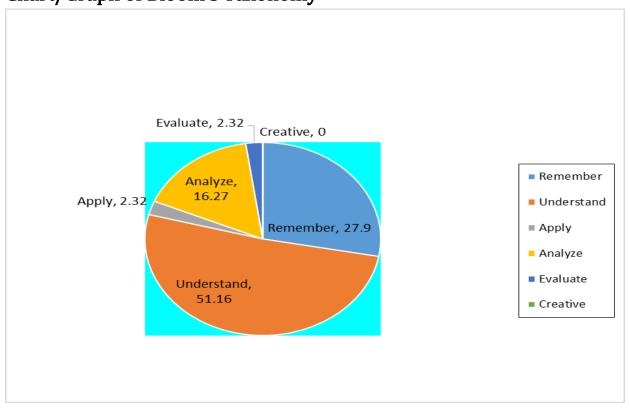**Sem. 7th**
Branch:CE/ IT

Que. Paper weightage as per Bloom's Taxonomy

LEVEL	% of weightage	Question No.	Marks of Que.
Remember/Knowledge	27.90%	1A, 1B,3a,3b,3c,or3b,or3c,or6c	10, 10,8,4,4,4,4,4
Understand	51.16%	2a,2b,or2b,or3a,4b,5a,5b,5c,or5a,or5b,or5c,6a,or6a	8, 8,8,8,8,6,6,4,6,6, 4,8,8
Apply	2.32%	6b	4
Analyze	16.27%	4a,or4a,or4b,or6b	8,8,8,4
Evaluate	2.32%	6c	4
Higher order Thinking/ Creative	-	-	-

Chart/Graph of Bloom's Taxonomy