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Seat No.	

Fourth Year B. Tech. (Computer Science and Engineering)
(Semester - VII) (CBCS) Examination, December - 2023
CLOUD COMPUTING
Sub. Code : 83857

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Day and Date : Friday, 01- 12 - 2023 **Total Marks : 70**

Time : 10.30 a.m. to 1.00 p.m.

Instructions :
1) **All Questions are compulsory.**
2) **Assume suitable data wherever necessary**
3) **Figures to the right indicate full marks.**

Q1) Solve MCQ's. (1 Mark Each) **[14×1=14]**

a) How many service models are primarily present in the Cloud?

i) 1 ii) 2

iii) 3 iv) 4

b) _____ is a system of networked machine aggregation hardware where information is stored on multiple virtual servers, rather than being hosted on a single hard server.

i) Cloud ii) Cloud storage

iii) Cloud Service iv) None of the above

c) Which VMs does not simulate the uderlaying hardware.

i) Hardware-Assisted Virtualization

ii) Full Virtualization

iii) Para Virtualization

iv) Network Virtualization

P.T.O.

d) Which service is a cloud computing infrastructure that creates a development environment upon which application may be build.

i) Infrastructure
ii) Platform
iii) Service
iv) All of above

e) Which of the following is among the primary uses of cloud computing?

i) Security
ii) Data storage
iii) Data privacy
iv) Operational cost

f) Which of the following service providers offers less security?

i) SaaS
ii) PaaS
iii) IaaS
iv) None of the above

g) Which of the following provides development frameworks and control structures?

i) IaaS
ii) SaaS
iii) PaaS
iv) All the answers are true

h) Which of the following has three delivery models: Infrastructure as a Service, Platform as a Service, and Software as a Service.

i) Cloud provider
ii) Cloud service
iii) Cloud enabler
iv) None of the above

i) Which of the following is the deployment model?

i) Public
ii) Private
iii) Hybrid
iv) All of the mentioned

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j) _____ group focuses on standards and standards-based architecture for sharing information between clouds.

i) Working Group on Information Sharing

ii) Security

iii) Clouds

iv) All above

k) Cloud storage service allows storing remotely made available locally.

i) True ii) False

l) In _____ concept the data are separated from the actual desktop and stored on a server in a data centre.

i) Backup ii) Virtualisation

iii) Media iv) None of above

m) Find risk of cloud computing?

i) No troubleshooting issues ii) Full control over the data

iii) Storing data without control iv) No government intrusion

n) Find out disadvantage of cloud?

i) No worries about running out of storage

ii) Easier to maintain a cloud network

iii) Immediate access to computing resources

iv) Paying only for what you use

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Q2) Solve any 2 of the following. (7 Marks Each) **[2×7=14]**

a) Describe Pros and Cons of cloud computing.

b) What are deployment models in cloud?

c) Explain binary translation with full virtualization.

Q3) Solve any 2 of the following. **[2×7=14]**

a) Explain recent trends in computing.

b) Explain role of web services.

c) Explain virtualization at the OS level.

Q4) Solve any 2 of the following. **[2×7=14]**

a) Explain virtualization resources.

b) Explain how data authentication done in cloud computing.

c) Explain case study OpenStack.

Q5) Solve any 2 of the following. **[2×7=14]**

a) Explain Hypervisors.

b) How cloud manage large scale data processing.

c) What are the advantages of Microsoft azure platform.

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