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Uni. Roll No. ....

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Program: B.Tech.

Semester: 8th

Name of Subject: Cloud infrastructure and services

Subject Code: PEIT-115

Paper ID: 17413

Time Allowed: 03 Hours

Max. Marks: 60

NOTE:

1) Parts A and B are compulsory

2) Part-C has Two Questions Q8 and Q9. Both are compulsory, but with internal choice

3) Any missing data may be assumed appropriately

Part – A
[Marks: 02 each]

Q1.

a) What is VM migration?

b) Define SSL.

c) Write any two characteristics of public cloud and hybrid cloud.

d) What is the role of resource scheduler in IaaS service layer?

e) Difference between Elasticity and Scalability.

f) Explain Digital Signature.

Part – B
[Marks: 04 each]

Q2. What are the advantages and disadvantages of Cloud computing in comparisons of Distributed and Grid computing?

Q3. Explain NFV and SDN.

Q4. What is Edge computing?

Q5. What is AWS? What types of Services does it provides?

Q6. Explain cloud deployment models.

Q7. What are the pros and cons of public and hybrid cloud?

Part – C
[Marks: 12 each]

Q8. Design the architecture of PaaS and IaaS in cloud computing? Also, explain the different categories of PaaS and IaaS with example.

OR

What is virtualization in cloud computing? Outline the characteristics of server virtualization and application virtualization

Q9. a) Explain Gartner's Seven Cloud Computing Security Risks.

b) What are the various steps to reduce Cloud Security Breaches?

OR

Explain architecture of Open Stack, its various types of services and workflow of the services.

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