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Code No. : 313

VASAVI COLLEGE OF ENGINEERING (Autonomous), HYDERABAD
M.C.A. III Year I-Semester (Main) Examinations, Nov./Dec.-2016

Cloud Computing

Time: 3 hours

Max. Marks: 70

Note: Answer ALL questions in Part-A and any FIVE from Part-B

Part-A (10 × 2 = 20 Marks)

1. What is Grid Computing? Compare and contrast grid computing with cloud computing.
2. What is Hybrid cloud? Describe benefits of Hybrid cloud.
3. What is Network-as-a-Service?
4. List functional modules of Google App Engine.
5. Define Virtualization. List different types of virtualization.
6. Describe the role of Dom 0 and Dom U in Xen architecture.
7. Define Identity-as-a-service. Give suitable example.
8. What is the purpose of Business continuity plan in securing cloud information?
9. List the most common messaging standards used in the cloud.
10. What is Zimbra? Give its significance in accessing cloud information.

Part-B (5 × 10=50 Marks)

11. a) List and describe the barriers of Cloud. [3]
b) Compare and contrast between the three cloud computing service models. [7]
12. a) Explain in-detail about the cloud architectural design challenges. [6]
b) Describe about switch-centric data center design. [4]
13. a) Illustrate vCUDA architecture with neat diagram. [5]
b) Write short notes on CPU Virtualization. [5]
14. a) How encrypted federation differ from trusted federation? Explain. [5]
b) Explain different cloud security challenges. [5]
15. a) What is REST? Explain. [5]
b) Write short notes on YouTube. [5]
16. a) Describe the basic principles of Cloud Computing. Explain. [5]
b) Write short notes on Microsoft Windows Azure. [5]
17. Answer any *two* of the following:
a) Explain the significance of virtualization in Cloud computing. [5]
b) Write short notes on presence in the cloud. [5]
c) Discuss about OpenID security standard. [5]

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