

FACULTY OF ENGINEERING
BE 4/4 (CSE) II Sem. MAIN Examination, MAY 2016
Subject: Cloud Computing (Elective-III)

Time : 3 Hours

Max. Marks: 75

Note: Answer all questions from Part-A and answer any five questions from Part-B.

PART – A (25 Marks)

1. Define Cloud Computing and list different deployment models. 3
2. List advantages and disadvantages of Cloud Computing. 2
3. What is Virtual Machine Monitor or Hypervisor? 2
4. List main features of GAE public cloud platform 3
5. What is the difference between privacy and confidentiality in Cloud 3
- 6 .List Onion encryption layers of CryptdB 2
7. Briefly explain about Live VM Migration. 3
8. What is: (a) Server Consolidation
(b) Virtual Cluster 3
9. What are various risks involved in setting up a Public Cloud Platform. 2
10. What is SOA? 2

Part-B (50 Marks)

11. (a) Explain briefly about various challenges faced by Public Cloud Providers. 7
(b) List differences between Grid and Cloud Computing platform 3
12. Explain various ways of hardware virtualization with neat diagrams. 10
13. (a) Explain about the requirements for a Ware-House scale Datacenter construction. 7
(b) What is modular Data Center and what are its advantages 3
14. (a) Discuss about the types of threats addressed by CryptdB. 3
(b) Explain how Query-based encryption is handled in CryptdB using Onion layers of encryption 7
15. Explain in detail one of the following parallel and distributed programming model 10
(a) Map-Reduce
(b) Dryad
16. Write a short note on:
(a) Features of VMWare 5
(b) Programming on Amazon Web Services 5
17. (a) What are various steps in processing a query in CryptdB 5
(b) Discuss about features of Windows Azure Platform. 5
