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B.E / B.Tech (FT) END SEMESTER EXAMINATIONS – APRIL / MAY 2019

INFORMATION TECHNOLOGY

VI Semester

IT8005 CLOUD COMPUTING

(Regulation2012.....)

Time: 3 Hours

Answer ALL Questions

Max. Marks 100

PART-A (10 x 2 = 20 Marks)

1. Write down four limitations of Cloud.
2. Define Web service and write down the components of a Web service.
3. Compare and contrast Infrastructure as a service and Platform as a service.
4. List any four advantages of Private cloud.
5. What are service level agreements and where are they used?
6. List the characteristics of Federated cloud.
7. Write down the working of Walrus storage system.
8. How is a distributed file system extended as cloud file system?
9. What are the components of a Eucalyptus cloud system?
10. What are the Hypervisors that can be integrated with OpenNebula?



Part – B (5 x 16 = 80 marks)
(Question No.11 is Compulsory)

11. What is Virtualization? Discuss on the different types of Virtualization models in detail.(16)
12. a) Discuss on the three layer cloud computing architecture in detail. (16)
(OR)
b) Discuss on the various cloud deployment models in detail with their benefits and limitations.(16)
13. a) (i) Discuss on conceptual model of cloud federation in detail.(8)
(ii) How is Privacy preservation handled in cloud models? Explain.(8)
(OR)
b) (i) Discuss on the various security threats related to Cloud.(8)
(ii) Discuss on Foundation and Fabric services of Aneka cloud architecture.(8)
14. a) Discuss on the design of Amazon S3 storage classes, Logs, tools and APIs in detail.(16)
(OR)
b) How will you implement parallel processing using Map reduce paradigm? Explain in detail with an example.(16)
15. a) Explain the Software Architecture of Eucalyptus Cloud computing model in detail. (16)
(OR)
b) Define Web services Resource Framework and Explain how Nimbus provides Infrastructure as a service model using WSRF.(16)