

Code: 9A12804

1

B. Tech IV Year II Semester (R09) Regular Examinations, March/April 2013

CLOUD COMPUTING

(Information technology)

Time: 3 hours

Max. Marks: 70

Answer any FIVE questions
All questions carry equal marks

- 1 What is a cluster? Explain its architecture and its role in high performance computing.
- 2 (a) Compare and contrast grid computing with cloud computing.
(b) Briefly explain internet software evolution.
- 3 (a) Describe software as a service implementation issues.
(b) Explain basic approach to a data center based SOA.
- 4 (a) "XMPP is a good fit for cloud computing." substantiate this statement.
(b) Explain privacy and its relation to cloud based information systems.
(c) Write about presence protocols.
- 5 Explain briefly the standards for application developers.
- 6 (a) Discuss Zoho cloud SQL.
(b) Explain about collaboration applications for mobile platforms.
- 7 How to add a guest operating system to virtual box? Explain with illustrations.
- 8 (a) Write a note on Microsoft azure services platform.
(b) What tasks can be accomplished by the developers through Google app engine?
Discuss.

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- 1 (a) Discuss parallel computing architectures.
(b) Explain the importance of virtualization.
- 2 What are the key characteristics of cloud computing? Explain them.
- 3 (a) Describe the typical services provided by many MaaS vendors.
(b) What is meant by collaboration? Discuss its role in building cloud networks.
- 4 (a) Discuss the basic types of federation.
(b) Explain compliance as a service.
- 5 (a) Write about open virtualization format.
(b) Briefly discuss the standards for messaging.
- 6 (a) "Dimdim is a good choice for presentation and online sharing." support or oppose.
(b) Briefly describe mobile platform virtualization.
- 7 (a) Which is Amazon's storage solution for the internet? Explain.
(b) Write about Amazon's EC2 service in detail.
- 8 (a) Discuss the features of Google app engine.
(b) Write a note on Microsoft dynamics CRM online.

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- 1 Explain in detail vector processing principles.
- 2 (a) Discuss the cloud based service offerings.
(b) Briefly discuss the challenges for the cloud.
- 3 (a) Describe the key characteristics of platform as a service.
(b) Write about Mosso cloud servers.
(c) Discuss data center virtualization.
- 4 (a) How encrypted federation differs from trusted federation?
(b) Explain identity as a service of cloud.
(c) What is meant by federating identity?
- 5 (a) Discuss working groups of open cloud consortium.
(b) Explain REST's effect on scalability.
- 6 (a) Write about Zimbra desktop and Zimbra collaboration suite.
(b) Describe in detail Ubuntu MID edition.
- 7 "Amazon seems to have their finger in a number of cloud technologies." support or oppose with discussion.
- 8 (a) Write a note on Google web tool kit.
(b) Describe windows Azure and its uses.

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Time: 3 hours

Max. Marks: 70

Answer any FIVE questions
All questions carry equal marks

- 1 (a) What is a grid? What are the differences between grid computing and cluster computing?
(b) Explain service oriented architecture concepts and its benefits.
- 2 Discuss the benefits of using a cloud model and also the evolution of cloud computing.
- 3 (a) Explain Amazon EC2 service characteristics.
(b) Describe planning for SOA security.
- 4 (a) Discuss the privacy risks and the cloud.
(b) Explain federated identity management.
(c) Write about leveraging presence.
- 5 (a) Which stack is secure among LAMP and LAPP? Why?
(b) Describe really simple syndication.
- 6 (a) What is a widget? Discuss widgets of YouTube API.
(b) Explain the major components of the android operating system for mobile devices.
- 7 Write about Amazon simple DB. How does this service work closely with other services? Explain.
- 8 (a) Discuss the key features of Microsoft exchange online.
(b) Write a detail note on Google app engine.
