

Printed Pages: 3

NMCAE-24

(Following Paper ID and Roll No. to be filled in your Answer Books)

Paper ID : 2012366

Roll No.

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MCA

Regular Theory Examination (Odd Sem-V) 2016-17

CLOUD COMPUTING

Time : 3 Hours

Max. Marks : 100

Section - A

1 Attempt all question parts. (10×2=20)

- How Cloud Computing does provide on-demand functionality?
- Give examples for each kind of services provided by the cloud.
- What is self service provisioning?
- What are the different applications of cloud computing?
- What is Hunt calendar?
- What is virtual community?
- Write a short note on hardware virtualization.
- What are the different challenges that are faced while creating architecture for cloud?

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- i) List out the different security threats in implementing SAAS?
- j) How does access control help in attaining certain level of secured access to systems?

Section - B

Attempt any five questions from this section.

(5×10=50)

- 2. What is cloud computing? Enlist and explain three service models and four deployment models of cloud computing in brief.
- 3. What is the difference between process virtual machines, host VMMs and native VMMs?
- 4. Enlist and explain some of the common pitfalls that come with virtualization?
- 5. How to explore on line scheduling and planning? Explain with example.
- 6. Explain in detail about Evaluating on line groupware.
- 7. How to create groups on social networks? Explain with example.

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8. Explain security, privacy and trust with respect to cloud?
9. Consider there are three different cloud services that are offered by different vendors.

Assume there is a need to co-ordinate the activity of clouds. How the cloud resources are managed between them and how resilient they are to the failures.

Section - C

Attempt any two questions from this section.

(2×15=30)

10. Who are the different actors involved in NIST defined cloud referenced architecture and explain how they communicate among them to bring out a successful computing?
11. Compare and contrast the different tools/mechanisms for implementing the virtualization techniques.
12. Compare and examine which one of the following cloud solutions best suits for research purpose.
- a) Eucalyptus.
 - b) Open Nebula.
 - c) Nimbus.
- Justify your answer.

