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Total No. of Pages : 2

Total No. of Questions : 09

MCA (2015 & Onward) (Sem.-6)

CLOUD COMPUTING

Subject Code : MCA-602

Paper ID : [74756]

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTIONS TO CANDIDATES :

1. SECTIONS-A, B, C & D contains TWO questions each carrying TEN marks each and students has to attempt any ONE question from each SECTION.
2. SECTION-E is COMPULSORY consisting of TEN questions carrying TWENTY marks in all.

SECTION-A

1. Define Cloud. What are its characteristics? Discuss the uses of clouds with examples.
2. What are the driving factors towards clouds? Explain how clouds are changing.

SECTION-B

3. What do you mean by Virtualization? What are its characteristics? Discuss the benefits of virtualization cloud computing.
4. Suppose a company decides to set up a cloud to deliver Software as a Service to its clients through a remote location. Answer the following :
 - a) What are the security risks for which a customer needs to be careful about?
 - b) What kind of infrastructural set up will be required to set up a cloud?
 - c) What sort of billing model will such customers have?

SECTION-C

5. Discuss in detail the various cloud deployment scenarios and models.
Explain in detail the cloud security reference model. Explain the security risks associated with a cloud.
- 6.

SECTION-D

7. Compare and contrast the cloud services being offered by Google and IBM.
8. Discuss the common building blocks of cloud computing platforms and how they can be integrated with mobile technologies.

SECTION-E

9. Answer the following questions in brief :
 - a) Define Cloud Computing.
 - b) What is a Public cloud?
 - c) What are Hybrid clouds?
 - d) What do you mean by Big Data?
 - e) What are Hypervisors?
 - f) What are the types of tenancy?
 - g) What is PaaS? Give one example of PaaS model.
 - h) What are the selection criteria for cloud deployment?
 - i) Define identity management.
 - j) List the services offered by Amazon Cloud web service.