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B.E. (Computer Engineering)
CLOUD COMPUTING (Elective - III)
(2012 Pattern) (Semester - II)

Time : 2½ Hours]   *[Max. Marks : 70*

Instructions to the candidates:
  1)   ***All questions are compulsory.***
  2)   ***Figures to the right indicate full marks.***

Q1) a)   Explain cloud computing reference model.   **[5]**

   b)   Explain greenfield and brownfield deployment.   **[5]**

                                   OR

Q2) a)   Explain taxonomy of virtualization.   **[5]**

   b)   Enlist and explain pros and cons of virtualization.   **[5]**

Q3) a)   Explain google big table in detail.   **[5]**

   b)   Discuss the significance of hypervisor in cloud. Explain type-I & type-II
        hypervisor.   **[5]**

                                   OR

Q4) a)   Explain role of VSAN in cloud storage and it's benefits.   **[5]**

   b)   Explain HDFS in details.   **[5]**

Q5) a)   Explain scheduling techniques in cloud computing.   **[8]**

   b)   Elaborate anatomy of cloud infrastructure.   **[8]**

                                   OR

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Q6) a) Explain virtual machine life cycle. **[8]**

b) Elaborate benefits of converged infrastructure. **[8]**

Q7) a) Explain the model for fedrated cloud computing. **[6]**

b) What do you mean by SLA? Elaborate various types of SLA? **[6]**

c) Explain the phases of cloud service life cycle. **[6]**

OR

Q8) a) Explain cloud interface standards along with SOAP & REST. **[6]**

b) Write a short note on work flow modeling. **[6]**

c) Elaborate performance related issues of the HPC cloud computing. **[6]**

Q9) a) Elaborate various techniques for data security in cloud computing. **[8]**

b) Explain digital identity and access management. **[8]**

OR

*Q10)*a) Explain various security risks in cloud computing. **[8]**

b) Write a short note on following offering on saas segment to improve information security. **[8]**

i) Vulnerability management.

ii) Identity management - as - a - service.

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