[5254] - 688
B.E. (I.T.) (Semester I)
CLOUD COMPUTING (Elective - I)
(2012 Pattern)

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 the benefits of paaS.   **[5]**

   b) Explain applications of virtualization.   **[5]**

                                 OR

Q2) a) Explain in brief how cloud helps in reducing capital expenditure.   **[4]**

   b) Compare KVM, Xen and HyperV.   **[6]**

Q3) a) Draw and explain model for federated cloud computing.   **[6]**

   b) Explain Grid vs Cloud.   **[4]**

                                 OR

Q4) a) Explain the life cycle of SLA.   **[6]**

   b) Explain in brief following terms.   **[4]**

      i) Public cloud economics

      ii) Vmware

Q5) a) What are the several useful implications of the fact that 'OS state is saved in file and copied & shared? **[8]**

   b) Enlist & describe security risks posed by shared images   **[8]**

Q6) a)   Enlist and explain cloud security risks identified by Cloud security Alliance.
                                                                              [8]

   b)   Discuss four widely accepted information practices complied by Consumer Oriented commercial web sites.   **[8]**

Q7) a)   Explain Google App Engine with diagram.   **[8]**

   b)   Write short note on 'Open Nebulla'.   **[8]**

Q8) a)   Explain the storage services offered by Amazon EC2 cloud.   **[8]**

   b)   State and explain any two cloud computing applications.   **[8]**

Q9) a)   Describe Context Aware operational life cycle.   **[10]**

   b)   Write short note RFID tag.   **[8]**

*Q10)*a)   Describe methods to acquire user inputs related to human centered design.
                                                                              [8]

   b)   Explain the following service architectural models.   **[10]**
       i)   Multi tier client service model.
       ii)   Service oriented computing model.

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