SEAT No. :

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**[4959] - 1128**

**B.E. (I.T.)**

**e: CLOUD COMPUTING**

**(Semester - I) (2012 Course) (Elective - I)(End Sem.)**

*Time : 2½ Hours]*                                              *[Max. Marks :70*

*Instructions to the candidates:*

1) *Answer Q1 or Q2, Q3 or Q4, Q5 or Q6, Q7 or Q8, Q9 or 10.*

2) *Neat diagrams must be drawn wherever necessary.*

3) *Figures to the right side indicate full marks.*

4) *Use of Calculator is allowed.*

5) *Assume suitable data if necessary.*

*Q1)* a) Define cloud computing? Explain essential characteristics of cloud computing? **[4]**

b) Explain benefits of IaaS. **[4]**

**OR**

*Q2)* a) Explain the cloud deployment model. **[4]**

b) Write short note on SaaS. **[4]**

*Q3)* a) State and describe life cycle of SLA. **[6]**

b) What is virtualization? Explain different types of virtualization. **[6]**

**OR**

*Q4)* a) State and explain different phases of SLA management of applications hosted on cloud platform. **[6]**

b) Write short note on KVM. **[6]**

*P.T.O.*

*Q5)* a) Discuss two ways of determining Trust. **[8]**

b) Describe issues related to the run time interaction between DomO and DomU. **[8]**

OR

*Q6)* a) Discuss the undesirable effects of virtualization. **[8]**

b) Discuss mandatory OS security elements. **[8]**

*Q7)* a) Explain Google App Engine with diagram. **[10]**

b) Write short note on cloud implementation and application. **[8]**

OR

*Q8)* a) Explain the services offered by Amazon S3. **[10]**

b) Explain the open source cloud 'open Nebulla'. **[8]**

*Q9)* a) Describe methods to acquire user input related to Human Centred Design (HCD). **[8]**

b) Enlist and explain benefits of using wireless networks for UbiCom. **[8]**

OR

*Q10)* a) Describe challenges in modeling contex. **[8]**

b) Write short note on Ubiquitous System Challenge and outlook. **[8]**

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