

Total No. of Questions : 10]

SEAT No. :

P3986

[Total No. of Pages : 2

[5353]-599

T.E. (Information Technology) (Semester - II)

CLOUD COMPUTING

(2015 Pattern)

Time : 2½ Hours]

[Max. Marks : 70

Instructions to the candidates:

- 1) *Answer Question 1 or Q.2, Q.3 or Q.4, Q.5 or Q.6, Q.7 or Q.8, Q.9 or Q.10.*
- 2) *Neat diagrams must be drawn wherever necessary.*
- 3) *Figures to the right indicate full marks.*
- 4) *Assume suitable data, if necessary.*

Q1) a) Explain advantages and limitations of cloud computing in brief. [6]

b) Compare Private cloud versus Public cloud. [4]

OR

Q2) a) What is Live VM migration? Write down the steps required for Live VM migration. [6]

b) Write a short note on virtualization attack. [4]

Q3) a) Compare KVM, Xen and Vmware Workstation. [6]

b) Write a short note on Open Virtualization Format. [4]

OR

Q4) a) Explain Hardened Virtual Server image. [6]

b) Write short note on Overlapping Trust Boundaries. [4]

Q5) a) What is the role of threat agent? Enlist and describe three different threat agents. [8]

b) Draw and explain architecture of Google File System. [8]

OR

Q6) a) Explain architecture of MapReduce in Hadoop. [8]

b) Write short note on Amazon S3 execution environment. [8]

P.T.O.

- Q7)** a) Draw and explain the architecture of the Internet of Things. [8]
b) List and explain the key issues related to cloud computing energy efficiency. [8]

OR

- Q8)** a) What is RFID? How RFID works? [8]
b) Draw and explain architecture of Facebook platform. [8]

- Q9)** a) Explain the common steps involved during the generation of certificates by a certificate authority. [10]
b) What is Docker? Draw and explain Docker deployment workflow. [8]

OR

- Q10)** a) Explain architecture of Mobile cloud computing with diagram. [10]
b) Draw and explain Twitter architecture and access protocol sequence. [8]

