

Total No. of Questions : 6]

P620

SEAT No. :

[Total No. of Pages : 2

BE/Insem/APR - 253
B.E. (Computer Engineering)
CLOUD COMPUTING
(2015 Pattern) (Elective - IV)

Time : 1 Hour]

[Max. Marks : 30

Instructions to the candidates :

- 1) *Solve Q1 or 2, Q3 or 4, Q5 or 6.*
- 2) *Figures to the right indicate full marks.*
- 3) *Assume suitable data, whenever necessary.*

Q1) a) What is cloud computing? What are the components of cloud computing? Explain with neat diagram. **[5]**

b) What are the advantages and disadvantages of cloud computing? **[5]**

OR

Q2) a) Explain cloud deployment models as per the NIST guidelines. **[6]**

b) Explain benefits of SaaS in detail. **[4]**

Q3) a) Draw and explain Cloud File Systems GFS/HDFS. **[5]**

b) Explain the working of Google Data Store. **[5]**

OR

Q4) a) How do you Store BigTable tables on GFS/HDFS. **[5]**

b) Draw and explain architecture of Amazon Dynamo. **[5]**

P.T.O.

Q5) a) Explain different levels of Virtualization implementation with neat diagram. Also give example of each. [5]

b) Discuss the disadvantages of hardware level virtualization along with the solutions to overcome. [5]

OR

Q6) a) What is hypervisor? Write a short note on Xen architecture. [5]

b) Explain full and para virtualization with examples. [5]

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