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Total No. of Questions : 6]

SEAT No. :

P159

APR. - 16/BE/Insem. - 83

[Total No. of Pages : 2

B.E. (Computer)

CLOUD COMPUTING (410451 C)

(2012 Course) (Semester - II) (Elective - III)

Time : 1 Hour]

[Max. Marks : 30

Instructions to the candidates:

- 1) Answer Q1 or Q2, Q3 or Q4, Q5 or Q6.
- 2) Neat diagrams must be drawn wherever necessary.
- 3) Figures to the right indicate full marks.
- 4) Assume suitable data, if necessary.

Q1) a) Define Cloud Computing. Explain essential characteristics of Cloud Computing. **[5]**

b) Define the following: **[3]**

i) Elastic Computing.

ii) Utility Computing.

iii) Grid Computing.

c) Explain mashup. **[2]**

OR

Q2) a) Explain in brief enabling technologies for cloud computing. **[5]**

b) Write a short note on Eucalyptus. **[3]**

c) What do you mean by greenfield and brownfield deployment? **[2]**

Q3) a) Define virtualization. Explain its pros and cons. **[3]**

b) Explain in detail Xen architecture. **[5]**

c) Define the following: **[2]**

i) Full virtualization.

ii) Para virtualization.

OR

P.T.O.

- Q4)** a) Explain taxonomy of virtualization techniques. [5]
b) Explain in detail Hyper-V architecture. [5]

- Q5)** a) Explain virtual data centre architecture and its components. [5]
b) Differentiate between GFS and HDFS. [5]

OR

- Q6)** a) What do you mean by storage tiering? How is it carried out in cloud storage? [5]
b) Explain in detail google Big Table. [5]

