

Total No. of Questions : 6]

SEAT No. :

P545

[Total No. of Pages : 2

APR - 18/TE/Insem. - 148

T.E. (Information Technology)

CLOUD COMPUTING

(2015 Pattern) (Semester - II) (314453)

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) Explain Cloud characteristics. [6]

b) Explain any two Cloud delivery models. [4]

OR

Q2) a) Draw and explain relation of first-generation Web service technologies. [6]

b) What is the difference between horizontal scaling and vertical scaling? [4]

Q3) a) Explain different types of hypervisors with example. [6]

b) Explain in brief about para-virtualization. [4]

OR

Q4) a) Explain different abstraction levels of virtualization. [6]

b) Write a short note on LAPP solution stack. [4]

P.T.O.

- Q5)** a) Draw and explain programming environment for Google AppEngine.[6]
b) Write a short note on Windows Azure Platform. [4]

OR

- Q6)** a) Draw and explain Amazon EC2 execution environment. [6]
b) Write short note on OpenStack Compute. [4]

