

Total No. of Questions : 8]

SEAT No. :

**P817**

**[5870]-1138**

[Total No. of Pages : 2

**T.E. (Computer Engg.)**

**CLOUD COMPUTING**

**(2019 Pattern) (Semester-II) (Elective II) (310254 C)**

*Time : 2½ Hours]*

*[Max. Marks : 70*

*Instructions to the candidates:*

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

- Q1)** a) Define Virtualization? Explain different types of Virtualizations? [8]  
b) Discuss Virtualization in Grid and Virtualization in Cloud? [9]

OR

- Q2)** a) Differentiate between full and para virtualization? [8]  
b) Explain the functionality of hypervisor? What is type 1 and type 2 hypervisor? [9]

- Q3)** a) Enlist the different services offered by Amazon web Service? Explain it? [8]  
b) Discuss Amazon Dynamo Database Service in detail? [9]

OR

- Q4)** a) Explain Microsoft Windows Azure Platform? [8]  
b) Elaborate the unique features Google App Engine with suitable example? [9]

- Q5)** a) Discuss the various Cloud Security Services with its necessity? [9]  
b) What are different risks in cloud computing and how to manage them? [9]

OR

- Q6)** a) Explain security authorization challenges in cloud computing? [9]  
b) Discuss how we need to perform secure cloud software testing? [9]

**P.T.O.**

- Q7)** a) Discuss Energy Aware Cloud Computing with suitable example? [9]  
b) Explain with example, working of Docker? [9]

OR

- Q8)** a) How the Cloud and IoT together works for Home Automation? [9]  
b) Differentiate Distributed Cloud Computing Vs Edge Computing? [9]

