

Total No. of Questions : 8]

SEAT No. :

**PA-1512**

[Total No. of Pages : 2

**[5926]-132**

**T.E. INFORMATION TECHNOLOGY  
(Cloud Computing (EL-II))  
(2019 Course) (Semester - II) (314454C)**

*Time : 2½ Hours]*

*[Max. Marks : 70*

*Instructions to the candidates:*

- 1) Answer Q1 or Q2, Q3 or Q4, Q5 or Q6, Q7 or Q8
- 2) Neat diagrams must be drawn wherever necessary.
- 3) Figures to the right side indicates full marks.
- 4) Assume Suitable data if necessary.

- Q1)** a) Explain SAML and OAuth as standards for security. [6]  
b) Define Atom and RSS and differentiate between Atom and RSS. [6]  
c) Write short note on Windows Azure Platform architecture. [6]

**OR**

- Q2)** a) Explain steps to launch an EC2 instance in AWS Cloud. [6]  
b) Explain Open Cloud Consortium and Open Virtualization format. [6]  
c) Define Bucket in Amazon S3 and differentiate between DynamoDB and Amazon S3 [6]

- Q3)** a) Write a Short Note on Simple DB [6]  
b) What is fault tolerance. Explain characteristics of fault tolerance. [6]  
c) What is disaster recovery? Explain disaster recovery methods. [5]

**OR**

- Q4)** a) What is Recovery time objectives (RTOs) and Recovery point objectives (RPOs) [6]  
b) Draw & explain General Architecture Hadoop Distributed File System (HDFS) [6]  
c) List and explain the security issues in cloud [5]

*P.T.O.*

- Q5)** a) Explain in detail NASA's Nebula Cloud. [6]  
b) Explain Supply Chain Management. [6]  
c) Explain the concept of FutureGrid. [6]

**OR**

- Q6)** a) Explain Social Networking site Twitter. [6]  
b) Explain the different Technologies to build IOT infrastructure. [6]  
c) Explain the Applications of the Internet of Things [6]  
i) Inventory Management  
ii) Route Generation & Scheduling

- Q7)** a) Draw the Docker architecture and explain the components [6]  
b) Discuss in brief: Comet Cloud [6]  
c) What's the difference between cloudlets and clouds [5]

**OR**

- Q8)** a) Draw the kubernetes architecture and explain the components [6]  
b) Differentiate between multimedia Vs Mobile Cloud [6]  
c) Write a different application of fabric and paints [5]

