

M. TECH. –III (COMPUTER ENGINEERING) (CBCS – 2015  
COURSE) : WINTER - 2017

SUBJECT: SELF- STUDY- I- CLOUD COMPUTING

Day: Thursday  
Date: 25/01/2018

Time: 11.00 AM TO 02.00 PM  
Max. Marks: 60

**W-2017-2864**

N.B:

- 1) All questions are compulsory.
- 2) Neat diagrams must be drawn wherever necessary.
- 3) Figures to the right indicate full marks.
- 4) Use of non-programmable electronic pocket calculator is allowed.
- 5) Assume suitable data, if necessary.

**SECTION-I**

- Q.1 Discuss the process of reduction of operation overheads in Cloud Computing? (10)  
**OR**
- Q.1 Explain Cloud Computing Cube Model, Service Model and Deployment Model. (10)
- Q.2 Draw the three-dimensional model for Cloud Forensics and elaborate any four of its key Aspect. (10)  
**OR**
- Q.2 Design Multilevel Data Confidentiality which the Cloud based Service Suppliers should provide. (10)
- Q.3 Describe ENISA Assurance Framework? (10)  
**OR**
- Q.3 Explain Cloud Based IT Audit Process. (10)

**SECTION II**

- Q.4 What do we mean by Cloud Learning? Also explain the relationship between Cloud Learning and U-Learning. (10)  
**OR**
- Q.4 Explain the protection Mechanism for Information in Cloud. (10)
- Q.5 Describe an open source Kernel based Virtual Machine for Linux with the help of block diagram. (10)  
**OR**
- Q.5 Discuss the guidelines that should be considered with regard to maintaining the continuity of a given service. (10)
- Q.6 Design any two Unified Modeling Diagram and Implement a Genuine Fishing Simulator. Also discuss how interoperability will be promoted by Web Services XML based standards (10)  
**OR**
- Q.6 Design a University Library Framework, which offers comprehensive and Multi-Level Services for its users using FTP Service Model. (10)

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