

Roll No: -----

**UNIVERSITY OF PETROLEUM
AND ENERGY STUDIES**



End Semester Examination, December 2017

Program: B.Tech CSE + CCVT
Subject (Course): Security in Cloud
Course Code : CSIB 471
No. of page/s: 01

Semester: VII
Max. Marks : 100
Duration : 3 Hrs

Section A

Attempt all four questions. All questions carry equal marks.

(4x5 Marks)

1. Define any three program threats and system threats with suitable examples.
2. What is token? Discuss the different types of tokens used in cloud security.
3. What are the access control models in authorization? Briefly discuss.
4. Differentiate between TACACS+ and RADIUS protocols.

Section B

Attempt all four questions. All questions carry equal marks.

(4x10 Marks)

5. What are the major threats to cloud computing? Discuss each with suitable examples.
6. What are the important cloud security issues when moving data to the cloud? Discuss about any five cloud security providers. How google provides security?
7. What is identity management? Draw the taxonomy of identity management. Differentiate between deployment based and functional based identity management.
8. Define SSL. How SSL works to provide access of cloud data?

Section C

Attempt all two questions. All questions carry equal marks.

(2x10 Marks)

9. How AAA protocol works? Discuss the architecture of AAA protocol describing its each component and its role to ensure cloud security.
10. Discuss the different trust models with suitable diagram. What are the different levels of trust in PGP? What information are included in PGP certificate format?

OR

Define CIA in terms of cloud security. Discuss each element used to ensure confidentiality, integrity and availability with suitable examples.