PRESIDENCY UNIVERSITY, BENGALURU

SCHOOL OF ENGINEERING

TEST 2

Odd Semester: 2018-19

Course Code: CSE 306

Course Name: Cloud Computing

Branch & Sem: CSE (Discipline Elective) & VII Sem Group - I

Date: 28 November 2018

Time: 1 Hour

Max Marks: 40

Weightage: 20%

Instructions:

(i) **Answer All the Questions.**

Part A

Answer **all** the Questions. **Each** question carries **four** marks. **(3x4=12)**

1. Classify the Cloud Computing services based on the category of service, characteristics of the service and product type.
2. List and explain essential characteristics that identify a PaaS solution.
3. Which type of deployment mode in Aneka is referred as "most complete" deployment mode and why?

Part B

Answer **all** the Questions. **Each** question carries **six** marks. **(3x6=18)**

4. Explain the Cloud Computing architecture (with a neat diagram), a layered view covering the entire stack of resources.
5. Write the diagram for Aneka Framework Overview. Explain the characteristics of PAL in Aneka.
6. Explain the characteristics of Fabric services in Aneka.

Part C

Answer the Question. Question carries **ten** marks. **(1x10=10)**

7. Explain Infrastructure and Logical organization of building Aneka Clouds.

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END TERM FINAL EXAMINATION

Odd Semester: 2018-19   **Date**: 28 December 2018

Course Code: CSE 306   **Time**: 2 Hours

Course Name: Cloud Computing   **Max Marks**: 80

Programme & Sem: CSE & VII Sem(Discipline Elective)   **Weightage**: 40%

Instructions:
  (i)   *Answer all the questions.*

Part A

Answer **all** the Questions. **Each** question carries **six** marks.   (3Qx6M=18)

1. Differentiate between high-performance computing, high-throughput computing and many-task computing, with suitable examples.

2. Explain Amazon Dynamo with an architecture diagram?.

3. List and explain the benefits of XML.

Part B

Answer **all** the Questions. **Each** question carries **eight** marks.   (4Qx8M=32)

4. Explain Aneka MapReduce infrastructure with a neat diagram.

5. What is Distributed File System? Explain any 3 Distributed File Systems.

6. List and explain any eight security practices for SaaS model.

7. Explain eight methods of HTTP protocol.

Part C

Answer **any two** Questions. **Each** question carries **fifteen** marks.   (2Qx15M=30)

8. What is AWS? What types of services does it provide? Explain with an ecosystem diagram.

9. With neat diagrams, Explain Runtime Support for execution of MapReduce Jobs.

10. What is SQL Azure? Explain a SQL Azure architecture with a neat diagram.