



LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

M.C.A. DEGREE EXAMINATION – COMPUTER APPLICATIONS

FIFTH SEMESTER – NOVEMBER 2016

CA 5808 - CLOUD COMPUTING

Date: 07-11-2016
Time: 09:00-12:00

Dept. No.

Max. : 100 Marks

PART – A

Answer all Questions:

10 x 2 = 20

1. State the NIST definition of cloud computing.
2. Differentiate between grid and distributed computing.
3. Cloud computing: What it is and What it isn't?
4. List the EC2 instances.
5. Differentiate between web OS and OS.
6. What is Jitterbit?
7. Mention the factors for deployment of cloud computing.
8. What are the benefits of community cloud?
9. What are the driving factors for change?
10. Mention the different stages in the life cycle of cloud service.

PART – B

Answer all Questions:

5 x 8 = 40

11. a. Explain the advantages and disadvantages of virtualization.
(OR)
b. Write short notes on classification of clusters.
12. a. Explain the following: i. buckets ii. objects and metadata
(OR)
b. What is map reduce? Mention its components. What are the steps in map reduce?
13. a. Write short notes on data integration engineering life cycle.
(OR)
b. Explain the network model of Open Nebula.
14. a. Elucidate the characteristics of cloud deployment models.
(OR)
b. Write short notes on Private cloud hardware and software stack.
15. a. Explain the CROPS framework in detail.
(OR)
b. Write short notes on information card.

PART – C

Answer any TWO Questions:

2 X 20 = 40

- 16.a. Explain the NIST cloud computing reference architecture.
b. Draw the architecture of Microsoft Azure and explain its compute and storage services.
- 17.a. Explain in detail about the pervasive data cloud.
b. Discuss on Hybrid cloud deployment model.
- 18.a. Explain in detail the key assessment of readiness.
b. Explain the grid architecture models.
