

(7 pages)

Reg. No. :

Code No. : 9323

Sub. Code : HCAE 53

M.C.A. (CBCS) DEGREE EXAMINATION,
NOVEMBER 2017.

Fifth Semester

Computer Applications

Elective — CLOUD COMPUTING

(For those who joined in July 2012-2015)

Time : Three hours

Maximum : 75 marks

PART A — (10 × 1 = 10 marks)

Answer ALL the questions.

Choose the correct answer :

1. The IP monitor became the _____ where client, business and data layers are clearly separated and often reside on separate machines.
- (a) Two-tier architectural model
 - (b) 3-tier architectural model
 - (c) Multi-tier architectural model
 - (d) None of the above

2. The goal of cloud services _____ is to secure applications and data when they are located remotely.

(a) Governance (b) Controls
(c) Authority (d) Power

3. A _____ is a Web page or application that uses and combines data, presentation or functionality from two or more sources to create new services.

(a) Azure (b) Dev 2.0
(c) Mashup (d) Goole App Engine

4. In computing, _____ means to create a virtual version of a device or resource, such as a server, storage device, network or even an operating system where the framework divides the resource into one or more execution environments.

(a) Virtualization (b) Mashup
(c) Soap (d) AJAX

5. Expand HDFS _____.

(a) Hierarchical Distributed File Systems
(b) Hadoop Distributed File System
(c) Hadoop Distance File System
(d) Hyper Distributed File System

Page 2

Code No. : 9323



6. The _____ framework can be understood as an interleaved model of parallel and serial computation.
- (a) HDFS (b) GFS
(c) MapReduce (d) None of the above
7. _____ revenue comes from a customer relationship management (CRM) product, it also capitalizes on commercial applications of social networking through acquisition.
- (a) Bigtable (b) Salesforce
(c) Dev 2.0 (d) None of the above
8. _____ provides Salesforce customers the ability to create online web properties for external collaboration, customer service.
- (a) Public cloud (b) Private cloud
(c) Community Cloud (d) None of the above
9. _____ is the undisputed market leader in cloud computing.
- (a) Amazon Azure
(b) Microsoft
(c) Google App Engine
(d) Amazon Web Services

10. _____ open source framework that implements IaaS on a collection of server clusters.
- (a) Eucalyptus (b) Dev 2.0
(c) Azure (d) Google App Engine

PART B — (5 × 5 = 25 marks)

Answer ALL questions, choosing either (a) or (b).

Each answer should not exceed 250 words.

11. (a) Write about three tier architecture with TP monitors. And write the comparisons of architecture.
- Or
- (b) Write note on mainframe architecture and client server architecture.
12. (a) Describe about Infrastructure as Service.
- Or
- (b) Write note on Microsoft Azure.
13. (a) What are relational databases? Explain.
- Or
- (b) Write about parallel efficiency of map reduce.



14. (a) Write note on Salesforce.com platform in cloud computing.

Or

- (b) Write the advantages, applicability and limits of Dev 2.0.
15. (a) Elucidate Enterprise cloud computing ecosystem.

Or

- (b) What are the tools available for building private clouds?

PART C — (5 × 8 = 40 marks)

Answer ALL questions, choosing either (a) or (b).

Each answer should not exceed 600 words.

16. (a) Elucidate evolution of cloud computing.

Or

- (b) Write in detail about SPI framework for cloud development.

Page 5

Code No. : 9323

17. (a) What are the virtualization application in enterprise and its pitfalls?

Or

- (b) Write note on :
- (i) AJAX asynchronous rich interface
 - (ii) Mashups : user interface services.

18. (a) Explain about :

- (i) BIG table
- (ii) GFS and HDFS.

Or

- (b) Elucidate about parallel efficiency of map reduce.

19. (a) Explain about :

- (i) People and organization
- (ii) Product.

Or

- (b) Explain in detail about tracking works :

- (i) Billing
- (ii) Accounting.

Page 6

Code No. : 9323



20. (a) Explain about Quick win using public cloud.

Or

(b) Write note on convergence of private and public cloud.

