



April 2017

2015/PGR

JUSTICE BASHEER AHMED SAYEED COLLEGE FOR WOMEN (*Autonomous*),
CHENNAI – 600 018

IV SEMESTER (**Regular**) – Applicable to candidates admitted in the year 2015

II M.C.A

Cloud Computing– MHIVCE1(5)

TIME: THREE HOURS

MAXIMUM MARKS: 100

The first ten minutes should be used for reading the question paper only. The students should not begin to answer the questions in the first ten minutes.

Section-A

Answer all the questions.

I. Fill in the blanks

(5X1=5 Marks)

1. SLA stands for _____.
2. _____ is the characteristic of not having been altered by an unauthorized party.
3. The _____ mechanism is responsible for distributing the workload of the virtual servers between the hypervisors.
4. A _____ is a processing module that collects usage data by having event-driven interactions with specialized resource software.
5. _____ is a type of measure used to determine the Cloud Service Quality.

II. Choose the correct answer

(5X1=5 Marks)

6. The allocation of IT resources that are of the same type is referred to as
a) horizontal scaling b) vertical scaling c) dynamic scaling d) none of the above
7. It is the characteristic of being accessible and usable during a specified time period
a) availability b) integrity c) authenticity d) confidentiality
8. This monitor tracks and collects storage usage information that pertains to the direct usage of LUNs
a) Pay – per – use – monitor b) cloud – usage – monitor
c) resource replication d) none of the above.
9. Set of data are organized into a table – based, delimited or record format belongs to
a) files b) blocks c) data set d) objects
10. Following is not an enterprise management system.
a) ERP b) CRM c) CM d) none of the above

III. Answer the following in One or Two Sentences

(5X2=10 Marks)

11. Define Cloud computing.
12. Name the categories of networked storage devices.
13. Point out the types of dynamic scaling.
14. What is polling agent?
15. Write any one primary benefit of data centers.



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Section – B

(5 x 7 = 35 Marks)

Answer any five questions All questions carry equal marks.(Each answer should not exceed 300 words)

16. Briefly explain two cloud delivery models.
17. Write short notes on Digital Signature.
18. Explain about Redundant storage architecture.
19. Explain the following:
 - a) Audit monitor
 - b) Resource management system
20. Write notes on service quality metrics.
21. Briefly explain goals and benefits of cloud computing.
22. Explain the mechanism of encryption.
23. Discuss about elastic resource capacity architecture.

Section – C

(3 x 15 = 45 Marks)

Answer any three questions. All questions carry equal marks.(Each answer should not exceed 600 words)

24. Discuss various cloud characteristics.
25. Explain in detail about cloud security threats.
26. Explain multipath resources architecture with neat sketch. Also explain the various mechanism involved in this architecture.
27. Write notes on the following:
 - a) Resource center
 - b) Billing management system.
28. Explain any seven SLA guidelines in detail.

*****ALL THE BEST*****