



April 2019

2017 /PGR

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

IV SEMESTER (**Regular**) – Applicable to candidates admitted in the year 2017
II M.Sc. Computer Science **Cloud Computing – MGIVC11(5)**
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.

20 Marks

I. Fill in the blanks

(5X1=5 Marks)

1. IaaS stands for _____.
2. _____ is the transformation of a string of characters into a usually shorter fixed-length value or key that represents the original string.
3. The _____ is primarily related to the dynamic provisioning of virtual servers, using a system that allocates and reclaims CPUs and RAM.
4. _____ is switching to a redundant or standby computer server, system, hardware component or network upon the failure or abnormal termination of the previously active application.
5. SLA stands for _____.

II. Choose the correct answer

(5X1=5 Marks)

6. _____ is a program, or a suite of applications, available within the Cloud, rather than a computer's hard drive.
a) SaaS b) IaaS c) PaaS d) None
7. A _____ is a mathematical scheme for demonstrating the authenticity of digital messages or documents.
a) Digital signature b) Hashing c) Sorting d) Merging
8. _____ is one of the cloud computing architecture.
a) Resource pooling architecture b) Network pooling architecture
c) Packet pooling architecture d) Database pooling architecture
9. _____ technology enabled multiple logical servers to operate on a single physical computer.
a) Virtualization b) Client-Server c) Distributed computing d) Datawarehouse
10. Cloud computing systems uses the _____ (GQM) method.
a) goal question metric b) goal quality metric
c) gain quality metric d) loss quality metric



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III. Answer the following in One or Two Sentences

(5X2=10 Marks)

11. Explain the goal of Cloud computing.
12. Define SSO.
13. Define pooling.
14. What do you mean by multi device broker?
15. What are SLA guidelines?

Section – B

(5 x 7 = 35 Marks)

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

16. Explain about Cloud Deployment models.
17. What do you mean by virtualization technology?
18. Write notes on cloud bursting architecture.
19. What do you mean by cloud Infrastructure?
20. Explain about cloud usage and cloud metrics mechanism.
21. What are consumer perspectives of cloud?
22. What are threat agents? Give example.
23. Write short notes on hardened virtual server images.

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 about cloud delivery models.
25. Explain in detail about cloud security mechanism.
26. Describe about any two advanced cloud architectures.
27. Write notes on
 - a. SLA management system
 - b. Hypervisor
 - c. Cloud storage device.
28. How do you perform cloud provisioning contract? Explain with its structure.

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