

B. C. A. DEGREE EXAMINATION APRIL 2024
SIXTH SEMESTER

COURSE : MAJOR CORE
PAPER : CLOUD COMPUTING
SUBJECT CODE : 19CS/MC/CC65
TIME : 3 HOURS

MAX. MARKS: 100

SECTION A

ANSWER ALL QUESTIONS:

(20 X 1 = 20)

CHOOSE THE BEST ANSWER:

- _____ can be identified as cloud.
a) Web Applications b) Intranet
c) Hadoop d) All of the mentioned
- _____ is the most important area of concern in cloud computing.
a) Security b) Storage
c) Scalability d) All of the mentioned
- _____ is a type of software that supports the virtual machine.
a) Kernel b) Hypervisor
c) VMM d) Both B and C
- _____ type of virtualization is also characteristic of cloud computing.
a) Storage b) Application
c) CPU d) All of the mentioned
- _____ is also known as a Hypervisor.
a) VMA b) VMM c) VMS d) VMR
- Resource pools are organized in _____.
a) Heap structure b) Hierarchical structure
c) Hash structure d) None of the mentioned
- Dynamic scaling facility in cloud has been achieved based on _____.
a) Resource virtualization b) Resource sharing
c) Dynamic resource provisioning d) All of the mentioned
- Cloud Computing concept of delivering infinite resource is achieved by _____.
a) Maintaining a huge pool of resources b) Workload management
c) Proper capacity planning d) None of the mentioned
- Load balancing helps to implement the _____.
a) System over-utilization b) System under-utilization
c) System scaling d) All of the mentioned
- The Foce.com and windows Azure are examples of _____.
a)IaaS b) PaaS c)SaaS d)Both A and B

Fill in the blanks:

11. Distributed object frameworks give the illusion of interaction with a local instance while invoking remote methods. This is done by a mechanism called a _____.
12. The _____ is the component that directly manages the underlying hardware.
13. The combination of cloud hosting platforms and resources is generally classified as a _____ solution.
14. _____ is a messaging format used in Web services that use XML as the message format.
15. Authentication is a key mechanism for _____.
16. In _____ the storage space is partitioned into units called containers.
17. _____ is commonly used to describe the service interface, how to bind information, and the nature of the component's service or endpoint.
18. _____ is a Cloud Platform managed by Amazon.
19. _____ algorithm is used by Google to determine the importance of a particular page.
20. Amazon DevPay is a _____ service.

SECTION B**ANSWER ALL THE QUESTIONS****(5 X 2 = 10)**

21. Define Cloud Computing.
22. List all the types of Clouds.
23. What is resource pooling?
24. What is Encryption?
25. What do you mean by the Dark web?

SECTION C**ANSWER ANY EIGHT QUESTIONS****(8 X 5= 40)**

26. Describe the Characteristics and benefits of Cloud computing.
27. State and draw the model of distributed computing environment.
28. Explain the Pros and Cons of Virtualization.
29. Discuss the Platform-as-a-Service reference model.
30. Write short notes on Scaling strategies in cloud
31. Assess the categories of Load balancing.
32. Describe Service Oriented Architecture with suitable diagram.
33. Discuss the elements and topologies used in SOMF.

34. Summarize the windows Azure services.
35. Describe the categories of Google APIs.

SECTION D

ANSWER ANY THREE QUESTIONS

(3 X 10=30)

36. Discuss the Cloud computing reference model.
37. Explain the open challenges in cloud.
38. Discuss the Resource Pooling Architecture with suitable diagram.
39. Explain the key mechanisms for protecting data in Cloud.
40. Discuss the components of Amazon Web services.
