Degree/Yr/Sem :B.Tech/III/VI   **Max. Marks: 100 marks**
Date: 03/05/2017   **Duration: 3 hrs**

PART A: Multiple choice questions   **(20*1=20)**

1. Which one of the following is not included in planned outages
   a. Installation   b.Integration

   c. Maintenance of new hardware   d. Database corruption

2. How to calculate IA?
   a. system uptime/(system uptime + system downtime)

   b. system downtime/(system uptime + system downtime)

   c. (system uptime + system downtime)/ system uptime

   d. (system uptime + system downtime)/ system downtime

3. Which is called as a repository at a remote site where data can be periodically or continuously copied?
   a. Data Vault
   b. Hot Site
   c. Cold Site
   d. Server Clustering

4. Which backup enables a full backup copy to be created offline without disrupting the I/O operation on the production volume.
   a. Full
   b. Incremental
   c. Cumulative
   d. Synthetic full

5. Which of the following qualifies as best DR (Disaster Recovery) site?
   a. DR site in the same campus
   b. DR site in the same city
   c. DR site in the same country
   d. DR site in a different country

6. Which of the following is false?
   a. The more important the data, the greater the need for backing it up
   b. A backup is as useful as its associated restore strategy
   c. Storing the backup copy near to its original site is best strategy
   d. Automated backup and scheduling is preferred over manual operations

7. The MTBF of system should be high for fault tolerant systems with
   a. Single Point Failure

b. Multi Point Tolerant
c. Single Point Tolerant
d. Multi-Tolerant
8. Which is refered to the amount of time and effort required to exploit an attack vector?
   a. Attack surface
   b. Attack vector
   c. Work factor
   d. DOS
9. Which of the following allows you to create instances of the MySQL database to support your Web sites ?
   a. Amazon Elastic Compute Cloud
   b. Amazon Simple Queue Service
   c. Amazon Relational Database Service
   d. Amazon Simple Storage System
10. In which Category of SaaS service does CRM software fall
    a)Consumer services
    b)Communication Services
    c)Infrastructure Services
    d)Business Services
11. _____ is the feature of cloud computing that allows the service to change in size or volume in order to meet a user's needs.
    a.A. Scalability
    b. Virtualization
    c. Security
    d.. Cost-savings
12. Which of the following cloud concept is related to pooling and sharing of resources ?
    a) Polymorphism
    b) Abstraction
    c) Virtualization
    d) scalability
13. Which of the following is Cloud Platform by Amazon ?
    a) Azure
    b) AWS
    c) Cloudera
    d) sql
14. _____ as a Service is a cloud computing infrastructure that creates a development environment upon which applications may be build.
    a) Infrastructure
    b) Service
    c) Platform
    d) SLA

15. The reputation for cloud computing services for the quality of those services is shared by
_____
a) replicas
b) shards
c) tenants
d) admins

16. RBAC refers
   a. Role based art control
   b. Role based access control
   c. Release based access control
   d. Round Basket art control

17. Which of the following is not an active attack?
a. Denial of service
b. repudiation
c. eavesdropping
d. data modification

18. Logical partitioning of a fabric refers to
   a. LUN
   b. VSAN
   c. SAN
   d. IPSAN

19. Which type of alert requires immediate attention?
   a. Warning
   b. Information
   c. Sms
   d. Fatal

20. Which one is an example of capacity management activity?
   a. Storage provisioning
   b. Deploying clustered server
   c. Configuring RAID
   d. Auditing of event logs

PART B: Answer any 5 questions (5*4=20)

21. Briefly explain about Business Impact Analysis
22. Compare RTO and RPO
23. State the characteristics of cloud computing.
24. What PaaS? Give an example.
25. What are the countermeasures to vulnerabilities?
26. A performance problem has been reported on a database. Monitoring confirms that at 12:00 a.m., a problem surfaced, and access to the database is severely affected until 3:00 p.m. every day. This time slot is critical for business operations and an investigation has been launched. A reporting process that starts at 12:00 p.m. contends for database resources and constrains the environment. What monitoring and management procedures, tools, and alerts would you establish to ensure accessibility, capacity, performance, and security in this environment?
27. Brief about backup methods.

PART C: (5*16=80)

28. a. Illustrate the BC planning lifecycle with neat sketch.
                            OR
28.b. Explain about backup and restore operations with suitable diagram.

29.a. Describe the monitoring parameters and explain how capacity and performance of storage infrastructure monitored?
                            OR
29.b. Write short note on:
                i. Assets
                ii. Threats
30.a. Explain in detail about Cloud deployment models with suitable diagrams
                            OR
30.b. Illustrate the cloud Infrastructure Framework with neat sketch.

31.a. Explain the challenges of Cloud computing from consumers and providers perspective.
And also list the cloud adoption considerations.
                            OR
31.b. Explain the process of securing application access domain and management access domain.

32.a. Write in detail about backup granularities with suitable diagrams
                            OR
32.b.Explain about the solutions which enables the business continuity with uninterrupted data availability?