Reg. No. :

Duration: Three hours   Maximum: 100 Marks

Answer ALL Questions

PART A - (10 x 1 = 10 Marks)

1. _____ enables aggregation of distributed resources and transparently access to them.

    (a) Cluster Computing   (c) Cloud Computing

    (b) Grid Computing   (d) Utility Computing

2. _____ Cloud is one where the cloud has been organized to serve a common

   function or purpose.

    (a) Public   (b) Private   (c) Community   (d) All of the mentioned

3. Which of the following network resources can be load balanced?

    (a) Connections through intelligent switches   (b)DNS

    (c) Storage resources   (d) All of the mentioned

4. _____ describes a cloud service that can only be accessed by a limited amount of people.

   (a) Data center   (b) Private cloud   (c) Virtualization   (d) Public cloud

5. Which of the following is associated with considerable vendor lock-in?

   (a) PaaS   (b) IaaS   (c) CaaS   (d) SaaS

6. Amazon Elastic Compute Cloud is designed as _____ cloud model

   (a) Community cloud   (b) Public cloud

   (c) Private cloud   (d) Hybrid cloud

7. _____refers to a broad set of policies, technologies, and controls deployed to protect data, applications, and the associated infrastructure.

   (a) Physical security   (c) Data security

   (b) Logical security   (d) Cloud security

8. In _____ security threat, cloud providers do not enforce any strong registration process.

   (a) service hijacking   (c) Malicious insiders

   (b) Abuse and nefarious use   (d) Data loss or leakage

9. Cloud strategy that manages the use of multiple public, private or hybrid cloud platforms and all its users' resources is _____.

   (a) Multi cloud   (b) Multiple Cloud   (c) Hybrid Cloud   (d) None of these

10. The adoption of _____computing resources by cloud consumers will   CO5- R also allow for improved resource efficiency.

   (a) Homogeneous   (b) Heterogeneous   (c) Hybrid   (d) Flexible

PART - B (5 x 2 = 10 Marks)

11. What is cloud Computing ?

12. Define server virtualization.

47203

13. Why should one prefer public cloud over private cloud?

14. Who is a Malicious Insider?

15. List out the benefits of multi cloud management system.

PART - C (5 x 16 = 80 Marks)

16.(a) Explain in detail about Cloud architecture model   (16)

Or

(b) How is Cloud Computing Different from Traditional IT Infrastructure?   (16)

17. (a) Why virtualization is needed? Explain virtualization techniques in detail.   (16)

Or

(b) Define private cloud? Discuss about characteristics and building blocks of private cloud.   (16)

18. (a) What is public cloud? When to opt for public cloud? Give advantages of public cloud.   (16)

Or

(b) (i) Explain with example of SaaS in public cloud.   (8)

(ii) What are the security issues of PaaS model in public cloud.   (8)

19. (a) Elaborate the various security threats of cloud computing.   (16)

Or

(b) Elaborate the various security threats of cloud computing   (16)

47203

20.(a) Illustrate the concept of multi cloud management and list out the benefits and challenges of heterogeneous clouds. (16)

Or

(b) Explain how would you apply cloud in banking and financial sector in detail? (16)