

Name of Subject	Cloud Infrastructure and Services (Elective-III) Internal	Subject Code	DEIT-14713
Batch	2018 and onwards	Class	D4 IT

2 marks

- 1) What is cloud computing?
- 2) What are the benefits of cloud computing?
- 3) What is a cloud?
- 4) Mention platforms which are used for large-scale cloud computing?
- 5) What are the Layers of PaaS Architecture?
- 6) What is SaaS?
- 7) What is IaaS?
- 8) What is CaaS?
- 9) What are Hybrid clouds?
- 10) What is public cloud?
- 11) Difference between elasticity and scalability in cloud computing
- 12) Xen
- 13) Digital signature
- 14) Secure Sockets layer (SSL)
- 15) Service-Oriented Architecture (SOA)
- 16) Cipher Text
- 17) RSA Algorithm
- 18) How does cloud computing differ from Internet?
- 19) What is multi-tenancy and its advantage?
- 20) What is on-demand self-service and resource pooling?
- 21) Differentiate full-virtualization and para-virtualization.
- 22) Write any two characteristics of private and public cloud.
- 23) What is the role of network manager in IaaS service layer?
- 24) What is the Top Cloud and the basic characteristics Of Cloud Computing?
- 25) What are the essential things that must be followed before going to cloud computing platform?
- 26) Discuss about different applications now a Days?
- 27) What are the types of data used in cloud computing?
- 28) How can our company benefit from cloud computing?
- 29) For transporting data in the cloud, how you can you best secure data?
- 30) Explain the Security management in terms of Cloud Computing.
- 31) Mention what is the difference between elasticity and scalability in cloud computing?
- 32) What are hybrid clouds?
- 33) What is "EUCALYPTUS" in cloud computing?
- 34) What is the difference between cloud computing and mobile computing?
- 35) What is the usage of virtualization platform in implementing cloud?

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- 36) What are the most essential things that must be followed before going for cloud computing platform?
- 37) What are the basic clouds in cloud computing?
- 38) What do you mean by VPN? What does it contain?
- 39) What are the different datacenters in cloud computing?
- 40) What do you mean by CaaS?
- 41) What are the advantages of cloud services?
- 42) Why API's is used in cloud services?
- 43) What are the different in Software as a Service (SaaS)?
- 44) What is the difference between cloud and traditional datacenters?
- 45) What is on-demand functionality? How is it provided in cloud computing?
- 46) What are the platforms used for large scale cloud computing?
- 47) What are the different models for deployment in cloud computing?
- 48) What are the open source cloud computing platform databases?
- 49) Explain System integrators in cloud computing
- 50) What is the usage of utility computing?

5 marks

- 51) What are the security benefits of cloud computing?
- 52) What is the difference between scalability and elasticity?
- 53) What is the difference between cloud computing and mobile computing?
- 54) What are the platforms used for large scale cloud computing?
- 55) What is on-demand functionality? How is it provided in cloud computing?
- 56) What are the different layers in cloud computing? Explain working of them.
- 57) Which platforms are used for large scale cloud computing?
- 58) Which are the different layers that define cloud architecture?
- 59) What are the different data types used in cloud computing?
- 60) What are the distinctive attributes of Cloud Computing?
- 61) A service that concentrates on hardware follows the abstraction as a Service model.
- 62) When you add a software stack, such as an operating system and applications to the service, the model shifts to which mode. Justify your answer.
- 63) Name the computer code which will be used to implement load balancing?
- 64) An Application Delivery Controller is a combination load balancer and application server that's a server placed between a firewall or router. How will you explain that?
- 65) State the list of a need of virtualization platform in implementing cloud?
- 66) What are the driving factors for Migration toward Cloud?
- 67) Explain Virtualization in Cloud in detail.
- 68) List some Trade-offs in Installing Cloud.

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- 69) Explain in detail the process of Cloud Migration.
- 70) Explain the role of Secure Socket layer in Cloud.
- 71) Explain in detail Cloud Management Platform Reference Architecture.
- 72) What do you understand by Hypervisor? Explain its various available types and their Working.
- 73) How Identity management is done in Cloud?
- 74) Explain in detail various Cloud deployment Models.
- 75) List various steps to reduce cloud security breaches.
- 76) What do you understand by Digital Signatures?
- 77) List purpose of Application Programming Interfaces.

10 marks

- 78) Design the architecture of PaaS and SaaS in cloud computing? Also, explain the different categories of PaaS and SaaS with example.
- 79) Draw the framework of common cloud management platform reference architecture and explain its components.
- 80) Discuss the following concepts in the context of cloud computing:
- a) Billing and Metering Services
 - b) Tooling and automation
- 81) Discuss, in detail, the cloud security reference model and explain how cloud security is integrated into the design of application.
- 82) Explain the following
- a) Digital Signatures
 - b) Goggle Cloud Platform
- 83) Compare and contrast the cloud service being offered by Google and IBM.
- 84) What are the downsides of moving to Cloud hosting? What is the SPI model of Cloud?
- 85) What are the various identity and access management (IAM) practices followed for authentication and authorization and auditing of the users accessing cloud services?
- 86) What do you understand by the term hypervisors? How does cloud model provide virtualization?
- 87) Explain in detail the cloud security reference model. Explain the security risks associated with a cloud.
- 88) What is IAAS? Explain its advantages and disadvantages.
- 89) Before going for cloud computing platform what are the essential things to be taken in concern by users?
- 90) What is AWS? What types of Services does it provides?

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- 91) What pros and cons of Cloud computing in comparisons of Distributed and Grid computing?
- 92) Describe the architecture of windows Azure
- 93) Write different types of internal security breaches in cloud computing. Also, explain the steps to reduce cloud security breaches.
- 94) What are different types of distributed computing systems before cloud computing?
- 95) Explain
 - a) Virtual Machine
 - b) Full Virtualization
- 96) Enlist the services that are provided by Amazon.
- 97) Why is hypervisor important? What is its role?
- 98) Mention the names of phases in SaaS maturity model.
- 99) Give any two examples of self-service.
- 100) Explain
 - a. Symmetric and Asymmetric Key Encryption
 - b. Windows Azure platform