**Cloud Computing**

**April 2023 Examination**

**Q 1. A digital payment solution company wants to start their new office at Goa location. The development and testing activities will be conducted from both the locations. So, both the locations need to have access to all the cloud components, servers, and databases. Physical server pools are composed of networked servers that have been installed with operating systems and other necessary programs and/or applications and are ready for immediate use. Explain this resource pooling architecture.**

**Ans 1.**

**Introduction**

Users may be granted authorization to enter a communal series of materials open to the public. The phrase "sources" can also practice to a wide variety of different matters; for example, it'd suggest that a pc can use the system or store records. Those are just two examples of what "resources" can mean. It is a great abstraction layer that allows it to eat sources dependably simultaneously while simultaneously showing them. This layer additionally makes it possible to display the assets. Users of cloud information facilities have access to vast quantities of underlying physical sources, which can be subsequently digitized

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**Q2. What is the difference between Cloud scalability and Cloud elasticity? How can load balancers enhance the Cloud scalability?**

**Ans 2.**

**Introduction**

Scalability and elasticity are important ideas in cloud computing, and you need to be familiar with each term. Scalability refers to the capability of a machine to house an increasing number of users. The ability of a system or network to increase its ability to deal with a growing demand for the machine's or network's services. Elasticity refers to the capability of a device to automatically regulate its degree of operation by way of shifts in the demand for the system's items or services. To correctly construct and run a business built on the cloud, it

**Q 3a: What are multitenancy issues of virtualization?**

**Ans 3a.**

**Introduction**

A single software program example may also support several user groups when the structure is multitenant. Customers of a cloud service provider proportion the same underlying software program and hardware resources. Cloud computing is also called "the internet of

**Q 3b: What is serverless computing?**

**Ans 3b.**

**Introduction**

Backend services are provided on an as-needed basis when server less computing is employed. Through serverless computing, software developers can deliver programs without concentrating their efforts on the underlying server architecture of such applications. Server less computing enables corporations to rate whatever fees they see suitable to their audience