A cloud computing environments that combine on-premises and public cloud resources and services. Hybrid clouds enable organizations to use the most appropriate resources for each workload or application, based on their specific requirements and constraints.

The correct answer is: Hybrid Clouds

A cloud computing infrastructure and services that are owned and operated by a third-party service provider and made available to the public over the internet. Offer users the ability to access and use a wide range of computing resources, including storage, networking, and computing power, on a pay-per-use basis.

The correct answer is: Public Clouds

A cloud computing infrastructure and services that are shared by a group of organizations that have a common set of requirements, such as compliance, security, or data sovereignty.

The correct answer is: Community Clouds

A cloud computing infrastructure that is dedicated to a single organization and deployed on-premises or in a data center that is operated and managed by the organization or a third-party service provider.

The correct answer is: Private Clouds

A cloud computing model that provides a platform and infrastructure for users to develop, run, and manage applications and services. Offerings typically include a range of services and tools, such as database management, messaging and integration, development environments, and application servers, that are delivered over the internet as a subscription-based service.

The correct answer is: Platform as a Service

A cloud computing model that provides users with access to a range of computing resources, such as servers, storage, and networking, over the internet. \_\_\_\_\_ providers offer these resources on a pay-per-use basis, typically through a subscription model.

The correct answer is: Infrastructure as a Service

Refers to software applications that are deployed as a hosted services on the Cloud infrastructure. Consumers typically access these applications from client devices that support thin client interfaces like a web browser or use Application Programming Interfaces (API) defined by the hosted software.

The correct answer is: Software as a Service

What is the function of TCP segment with the field name of Destination Port with a length of 16 bits?

The correct answer is: Identifies the local end point at the destination

What is the function of TCP segment with the field name of Sequence Number with a length of 32 bits?

The correct answer is: Sequence number of the segment’s first data byte in the overall connection byte stream

What is the function of TCP segment with the field name of Source Port with a length of 16 bits?

The correct answer is: Identifies the local end point at the source