**Review Questions**

1. **What is the major function of the network access layer?**

* The major function of the network access layer is to exchange the data between a computer and the network to which it is attached too. Also, it is used to connect the systems to establish, maintain and terminate connections.

1. **What tasks are performed by the transport layer?**

* The main task of this layer is to perform the data transfer transparently between end points. Also, it provides end-to-end delivery.

1. **What is a protocol?**

* A protocol contains a set of rules or conventions that must need to be followed but the formatted blocks of data to communicate with peer layer.

1. **What is a protocol data unit (PDU)?**

* PDU is the unit which is used to exchange the data at any protocol level.

1. **What is a protocol architecture?**

* The protocol architecture is built with the subtasks by breaking down the tasks and each of the tasks is implemented separately.

1. **What is TCP/IP?**

* TCP/IP is the protocols mainly designed to experiment the packet switched network in Defense Advanced research projects Agency (DARPA). This protocol suite contains large collection of protocols developed by the internet architecture board (IAB).

1. **What are some advantages to layering as seen in the TCP/IP architecture?**

* The advantages are that the data is exchanged in reliable mode of transmission. It shares common application which can be referred by other layers and layering in TCP/IP divides the large problems into smaller problems to make the communication effectively.

1. **What is a router?**

* A router is mainly used in the network access layer to route the data across the network; you can think of it as a processor used to connect the two networks and the main function of route is to route the data from one network to the other.