Informal Quiz 1

True or False?

T F

❏ ❏ The structure of MAC addresses facilitates scalability in implementations.

❏ ❏ The interface between layers often outlives the technology used in each layer.

❏ ❏ If a node is multi-homed, it must be configured as a router

❏ ❏ Heterogeneity and scale is the reason why routers are required for internetworking.

❏ ❏ A layer-2 switch connects two broadcast domains.

❏ ❏ ARP and RARP run over IP

❏ ❏ The protocol field in the PPP header is used for demultiplexing

❏ ❏ **The CRC field in Ethernet is found in the trailer because there was no space in the header .**

❏ ❏ **Meta-data about voice samples in telephony is in a large part inferred from timing.**

❏ ❏ **Statistical multiplexing is most useful when the peak rate is close to the average rate**

Informal Quiz 1:Solutions

True or False?

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√ ❏ **The interface between layers often outlives the technology used in each layer.**

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Informal Quiz 1: Solutions

True or False?

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❏ √ **A router is necessary to split a large Ethernet into multiple pieces for performance**

√ ❏ **FTP and telnet are client-server protocols**

√ ❏ **Both IP and ATM have network layer functionality. So, when IP runs over ATM, ATM's full functionality is suppressed.**

❏ √ **If a node is multi-homed, it must be configured as a router**

❏ √ **In connection-oriented communication, you need to fix the path taken from source to destination**

❏ √ **The unique IP address of any network interface is assigned by InterNIC**

❏ √ **ARP and RARP run over IP**

√ ❏ **The protocol field in the PPP header is used for demultiplexing**

❏ √ **The CRC field in Ethernet is found in the trailer because there was no space in the header .**

❏ √ **Bridges demarcate the broadcast domain in an Ethernet LAN.**

Marks = Correct Answers _____ - Incorrect Answers _____ = _____