

Computer Networks Technologies and Services

Sample exam questions

1. The IPsec standard is used in the context of VPN (virtual private network) to
 - A. Verify authentication information provided by remote users through a data exchange with a security server.
 - B. Allow access VPN users to transfer authentication information (e.g., username and password or challenge handshake).
 - C. Realize a tunnel across a public IP network for transporting IP packets from/to private networks independently of the addressing plans realized on the private networks (as long as the addressing plans on the private networks do not overlap).
 - D. Automatically create encrypted interconnections (through which communication is intrinsically secure) among corporate branches of an organization through a public network.
2. Quality of service can be guaranteed on packet networks when
 - A. Packets are transported among routers by a cell switching network (e.g., ATM).
 - B. Network nodes implement specific mechanisms that control the service provided to packets (e.g., scheduling algorithms).
 - C. Applications can code information in layers that are transferred at different priority.

Answers

1: C

2: B