



Ad, Soyad :  
 Numara :  
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 Dersi Veren : Prof. Dr. Hasan Huseyin BALIK  
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**Rules: Only 20/35 must be answered. 2 wrong answers take one correct answer. Duration is 30 minutes**

**QUESTIONS**

		T	F
1	There are no fundamental differences among data, voice, and video communications	T	
2	It is not necessary for a device to interface with the transmission system in order to communicate		F
3	The LAN is owned by the same organization that owns the attached devices	T	
4	The growth of high-speed wireless access enhances the ability of employees to take their business context with them as they move about, resulting in the ability to use enterprise information resources and services from virtually anywhere.	T	
5	The key elements of a simple communications model are source, signal, destination		F
6	VoIP, streaming audio, and streaming video are not considered multimedia applications because each involves a single media type		F
7	FTP provides a basic electronic mail transport facility		F
8	The driving force behind the development of IP was the need for more addresses		F
9	Secure Shell (SSH) enables the user and the remote server to authenticate each other.	T	
10	The key features of a protocol are: syntax, semantics and timing	T	
11	A protocol is concerned with exchanging data between two entities	T	
12	The counterpart of fragmentation is reassembly	T	
13	A Class C network is defined as few networks, each with many hosts.		F
14	Data are transmitted over an internet in packets from a source system to a destination across a path involving a single network and routers.		F
15	IP is the foundation on which all of the internet based protocols and internetworking is based.	T	
16	There is no need for connection establishment and termination procedures to support connection-oriented service with a reliable network service.		F
17	An internetwork using IP is an example of a reliable network service.		F
18	The credit-based flow control mechanism of TCP was designed to enable a destination to restrict the flow of segments from a source to avoid buffer overflow at the destination.	T	
19	The port variable represents a particular TS user at the specified host.	T	
20	To begin a connection establishment a TS user is in a OPEN state.		F
21	In a multipath scenario where each receiving antenna would experience a different interference environment, there is a high probability that if one antenna is suffering a high level of fading, another antenna has sufficient signal level.	T	
22	Spread spectrum is an important form of encoding for wireless communications.	T	
23	In a MIMO scheme the transmitter employs a single antenna.		F
24	Subchannelization is not useful for battery-powered devices.		F
25	Wireless systems are more expensive than wired systems		F
26	Bluetooth is intended to support an open-ended list of applications, including data (e.g., schedules and telephone numbers), audio, graphics, and even video.	T	
27	Up to eleven devices can communicate in a small network called a piconet .		F
28	A device in one piconet may also exist as part of another piconet and may function as either a slave or a master in each piconet	T	
29	The error correction scheme must be adequate to cope with the inherently unreliable wireless link but must also be streamlined and efficient.	T	

30	One of the easiest design aspects of switched data networks is routing.		F
31	ARPANET is a packet switching network that was the foundation of the present day Internet.		F
32	If the robustness has to do with the ability of the network to deliver packets via some route in the face of localized failures and overloads.	T	
33	The simplest criterion in the selection of a route is to choose the maximum nodes available		F
34	When the internal operation of the network is datagram, a routing decision is made individually for each packet.		F
35	With user routing the routing decision is made by the source station, rather than by a network node, and is then communicated to the network. This allows the user to dictate a route through the network that meets criteria local to that user.	T	