

MID TERM PRATICAL EXAM COMPUTER NETWORK

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ANS 1: There is an organization A with multiple departments. Design a network for the HR department and the size of the department is 10 users. Also, show the communication between user number 1 and user number 5 of the network.

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Ans-1
STEP 1:- We draw a organization A with multiple department.

Step 2:- In organisation A we draw a HR department and make 10 user in the HR department.

Step 3:- We connect ~~organi~~^{department} HR to organisation with the help of switch.

Step 4:- All the user of HR Department connected with the LAN.

Step 5 We use simple PDU to communication to user 1 and user 5.

OUTPUT:

File Edit Options View Tools Extensions Window Help

Logical Physical 1070, 364 [Root] 10:31:00

Simulation Panel

Event List

Vis.	Time(sec)	Last Device	At Dev
	0.002	HR	user 5
	0.003	user 5	HR
	0.004	HR	user 1
	1.466	HR	HR

Reset Simulation ☒ Constant Delay Captured to: 1.466 s

Play Controls

Event List Filters - Visible Events

ACL Filter, ARP, BGP, Bluetooth, CAPWAP, CDP, DHCP, DHCPv6, DNS, DTP, EAPOL, EIGRP, EIGRPv6, FTP, H.323, HSRP, HSRPv6, HTTP, HTTPS, ICMP, ICMPv6, IPSec, ISAKMP, IoT, IoT TCP, LACP, LLDP, Meraki, NDP, NETFLOW, NTP, OSPF, OSPFv6, PAgP, POP3, PPP, PPPoE, PTP, RADIUS, REP, RIP, RIPng, RTP, SCCP, SMTP, SNMP, SSH, STP, SYSLOG, TACACS, TCP, TFTP, Telnet, UDP, USB, VTP

Edit Filters Show All/None

Time: 00:20:13.749 PLAY CONTROLS

Edit what types of events to show. [nt List] Realtime Simulation

Fire	Last Status	Source	Destination	Type	Color	Time(sec)	Periodic	Num	Edit	Delete
	Successful	user 1	user 5	ICMP		0.000	N	0	(edit)	(del)

New Delete

Toggle PDU List Window

ANS 2. There are two organizations in a city named GEU and GEHU, design a network between the SOC department of GEU and GEHU. Also, show the communication between user number 1 of GEU and user number 2 of GEHU

Ans-2 :-

Step 1:- We will place the 2 organisation named GEU and GEHU and we create the SOC Department inside the organisation and create user 1 and user 2.

Step 2:- We use 2 router and 2 switches, connect both routers.

Step 3:- Connect switch and router with normal wire. Assign IP address for all system.

Step 4:- Sending PDU Packet from user 1 to user 2 to verify the communication between 2 users.

Tanya

OUTPUT:



