CSE320: Data Communications

Quiz-1 (Set - A)

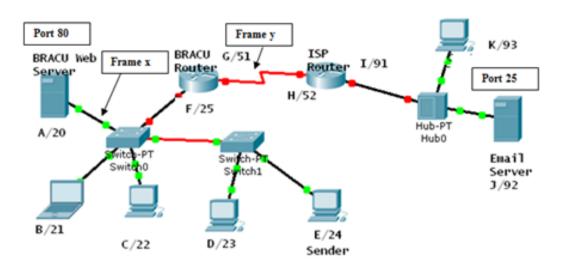
Total Marks: 15

Name:	ID:	Sec:
1. "ABC Corporation", a medium planning to upgrade its network in ABC Corporation is looking for a s Star topologies address the specific ABC Corporation as the company g	frastructure. Given the company's calable network infrastructure. How need of accommodating additional	anticipation of future expansion, w can a combination of Mesh and
2. Five devices are connected using directions (full duplex mode), how		
 3. Match the following to one or more route determination providing services for to segmentation and reass 	he end user	uite: [2.5]

adding checkpoints or synchronization pointstransforming bits to electromagnetic signals

- 4. Identify each of the below scenarios to an appropriate network type (PAN, LAN, WAN, MAN) [2.5]
 - You are sending pictures using WhatsApp from your mobile to your friend who is sitting beside you in BRACU Cafeteria
 - You and your friend are communicating via email using BRACU PC and both of you are in different floors of BRACU campus
 - You are communicating with your friend who lives in USA
 - PCs in Ayesha Abed Library can communicate with PCs at BRAC Center (Both are in different networks)
 - A number of fire stations located in a city are connected, so office staff can easily communicate with one another

5. Complete the frames (X & Y) given below with appropriate port, IP and MAC addresses. The sender Host E has two applications running; one for email with port number 50110 and the other for accessing the web server with port number 60923. The frame X is intended for the BRACU Web server and frame Y is coming from the Email Server. (MAC addresses are denoted using alphabets and IP addresses are denoted using numbers) [5]



Frame X

D. Mac	S. MAC	D. IP	S. IP	D. Port	S. Port	Data	Trailer

Frame Y

D. Mac	S. MAC	D. IP	S. IP	D. Port	S. Port	Data	Trailer