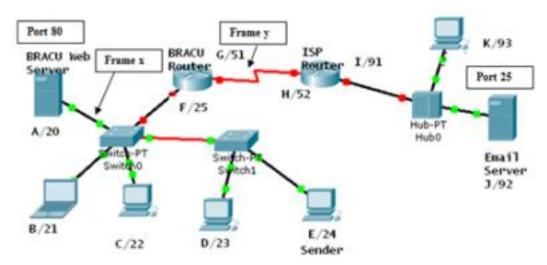
## **CSE320: Data Communications**

Quiz-1 (Set – A)

**Total Marks: 15** 

Name:		ID:	Sec:
is planning to upgrade expansion, ABC Corpo topology address the	its network infrastructure. ration is looking for a scala	with offices distributed across Given the company's anticipally ble network infrastructure. He odating additional devices a .5]	pation of future ow can a hybrid
		ogy. If each physical link allow de), how many physical links	
	g to one or more layers of th two protocols related to that		
• F	rocess to process error contr	rol	
	Adding checkpoints or synch Route determination	ronization points	

- **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 51310 and the other for accessing the web server with port number 60139. Frame x and y both are intended for the sender E. (IP addresses are denoted using alphabets and MAC 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