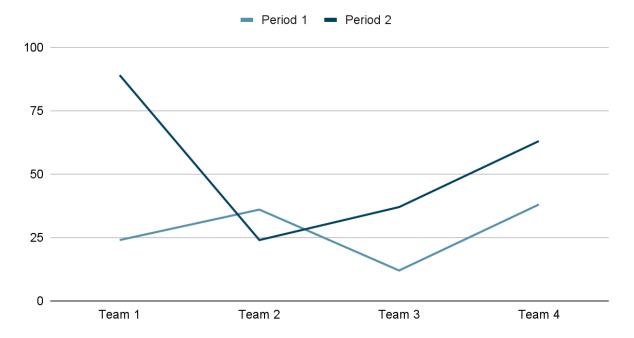
CSE320 Quiz-1 **Total Marks: 15**

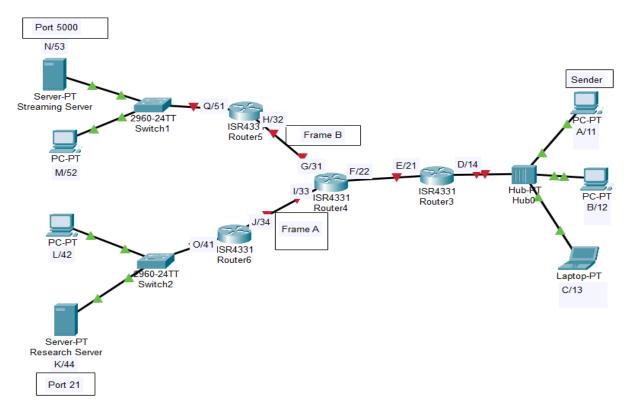
Name	: ID:	Section:
A. B. C. D.	ch the following to one or more layers of the TCP/IP protocol suite: Segmentation and reassembly of data Ensuring reliable data transmission Managing IP addressing and routing packets Data encapsulation into frames Responsible for translating data	[5]
consis failure	trate a hybrid network topology with a ring backbone and three star ne ting of 3 nodes connected to a central hub. In your diagram, identify or in the ring backbone that could bring down the entire network and exp disrupt communication.	ne possible point of

Ans:

3. a) Complete the frames (A & B) given below with appropriate port, IP, and MAC addresses. Sender is running two applications: one for FTP with port number 2021, and another for video streaming with port number 45000. The frame A is intended for the Research Server, while frame B is coming from the Streaming Server. (MAC addresses are represented by single alphabets, and IP addresses by numbers). [4]

Points scored





Frame A

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

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

Ans:

b) How many Local Area Networks (LAN) are there in total? [1] **Ans:**

c) Which layer of the OSI model is responsible for hop-to-hop delivery? [1] **Ans:**