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COE 540	- Computer Networks	
Term 12 <sup>2</sup>	I	
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	PP Fra Flag byte 0x7E • Escaped by therefore 0:	– similar to H racter 0x7D for	IDLC byte stuffing		_	ng flipping the 5	<sup>th</sup> bit) –		
<ul> <li>Escaped byte (i.e. the non legitimate flag is XORed with 0x20 resulting flipping the 5<sup>th</sup> bit) – therefore 0x7E will not appear in the payload</li> <li>Facilitates scanning for start and end of frame</li> <li>If no activity on the link – send flags</li> <li>Address field         <ul> <li>0xFF – broadcast</li> <li>Control field</li> <li>Default – 00000011 → unnumbered frame</li> </ul> </li> <li>LCP may negotiate to eliminate the address and control fields (if they are constants)</li> <li>Protocol: Code specifying the nature of the payload</li> <li>Codes starting with 0 – IPv4, IPv6, IPX, AppleTalk, etc.</li> <li>Codes starting with 1 – PPP configuration protocols including LCP and different NCP for each network layer protocol supported</li> </ul> <li>Payload – variable length to some negotiated maximum sum         <ul> <li>Default max is 1500 Bytes</li> <li>Checksum – 4 bytes CRC or 2 bytes CRC</li> </ul> </li>									
Bytes	1	1	1	1 or 2	Variable	2 or 4	1		
	Flag 01111110	Address 11111111	Control 00000011	Protocol	Payload	Checksum	Flag 01111110		
·		PP full fran				de operation			
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