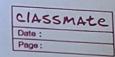
CIASSMAte Computer. Network. ASSTGNMENT. Name: Puptemer amker Lanjoy. Branch; C&E. scholor No: 22002060. subject: Computer Nelwork. (12-311).



Q1) consider sending TP destrigation of size

1420 bytes, has MIV 842 bytes and link

has 360 bytes find no or frag

Fangment for jot Link

TP heador is 20 bytes

TITU = 542 coch 4800 = 542-20

522 bytes of data

Force 7: 522 by tes of data

+ 20 hoader = 842

78092: 522 of data 20 hoader

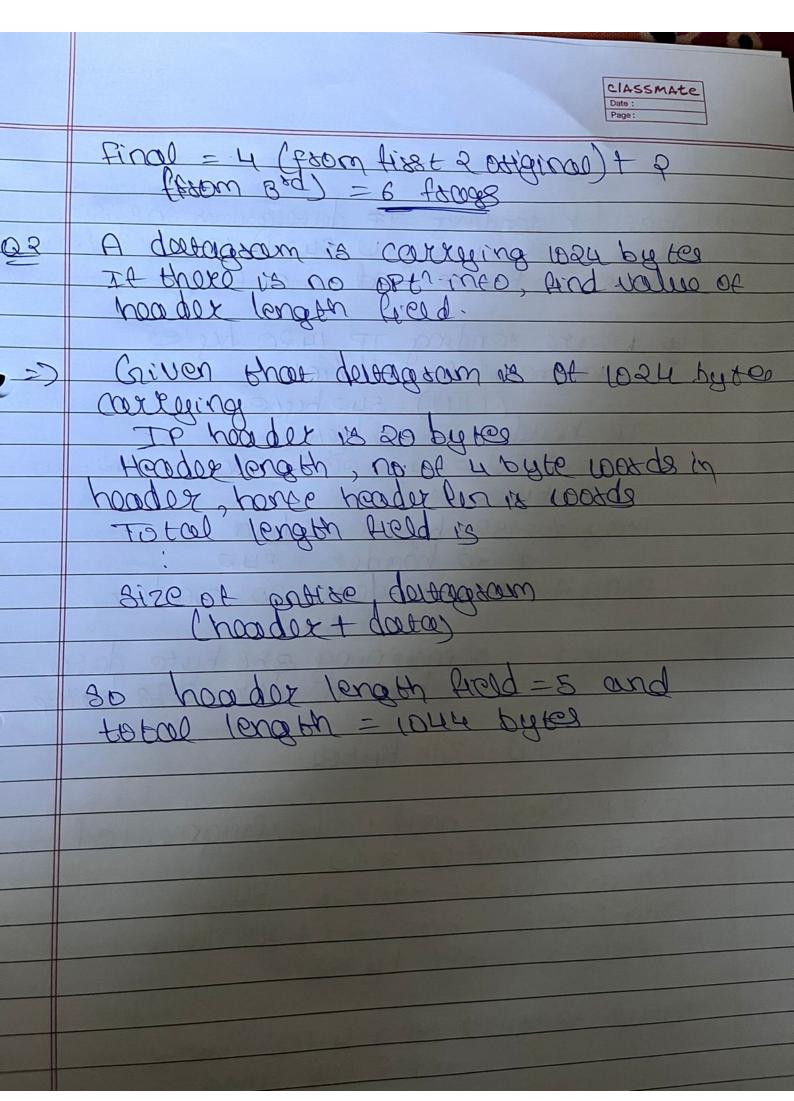
= 542

78093: semaining 358 byte data
20 byte hooder=376 bytes

FO8 1170 = 360 bytes

Fix t fougs need to be fougmented 018 Size exceeds 360 1. max data = 360-20 = 340 Forg I: 8 2 has 522 byte dout a foog 3 = 356 by 69

TOtal seceiver sec = 4 for fixet ? and 2 FOR third



Griven an IP parket of size 1600 bytes with a 30-byte header and the MTU of 1400 pates. So The IP header is 30 bytes, so the data portion is osi bytes. Each fragment can have a max. size of 1400 bytes (MTU), but 30 bytes are used for the header, so the dada in each fragment can be at most or bytes. no. of tragments = OBJ fragments 1. fragment 1: Header Size = 30 bytes Total size = 1370 + 30 = 1400 bytes 2. Freegment 2: Total size = 200 + 30 = 200 bytes offset = OBJ More fragments (MF) flag = 0 (last trag)

0.4	The ISP is granted a block of addresses starting with 120.60.4.0/22. The task is to distribute these
•	addresses to 100 org., each receiving 8 addresses.
	Al 22 block means OBJ addresses
	Each org. needs 8 addresses. for 8 add., we need also block. The first block of addresses is 120.60.4.0/29. The second block is 120.60.4.8/29, and so m.
	Each org. gets a 129 block, and there
•	The total black has 1024 addresses, and 800 addresses one used.
	and the second s