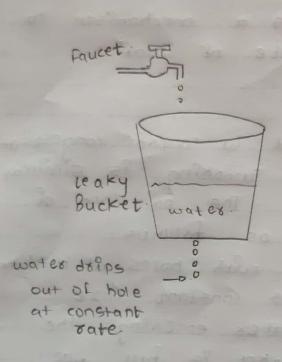
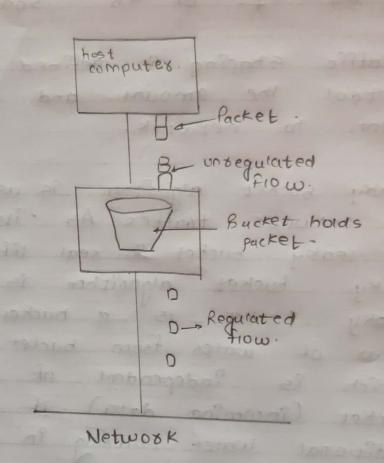
	Page No.
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	Name! Kalani Kasan Giyan. Semestes : 5 Subject CN.
	Sempster ; 5 Subject CN.
	Seat No CS5A021
	pg No: 1/7. of 93 sign: 10.6.10100
A)	Thattic shaping is defined as a mechanism to
	control the amount and sale of teatific
	Sent to network.
,	Leaky bucket algorithm 9s used to control congestion
	in network tentie. As its working is similian
	to leaky bucket in seal life - the poinciple of
	leaky bucket algorithm is as follows:
	lacky bucket is a bucket with holes at bottom
	now of water toom bucket is constant bate
	which is independent of water entering the
	Ducket (Incoming data). If bucket 95 full - and
	additional water entering in bucket is through all
	(rackets are discarded)
	same technique is applied to control congestion in
	heroope coartic. Every host in network 95 hours
	a surrex (equivalent to bucket) with finite and
	length Packets which are put in buffer when
	buffer is full are thoown away. The buffer
	That some no. of packets now in !
	onto subnet the data from at input of bucket
	regulated but that at bucker output is

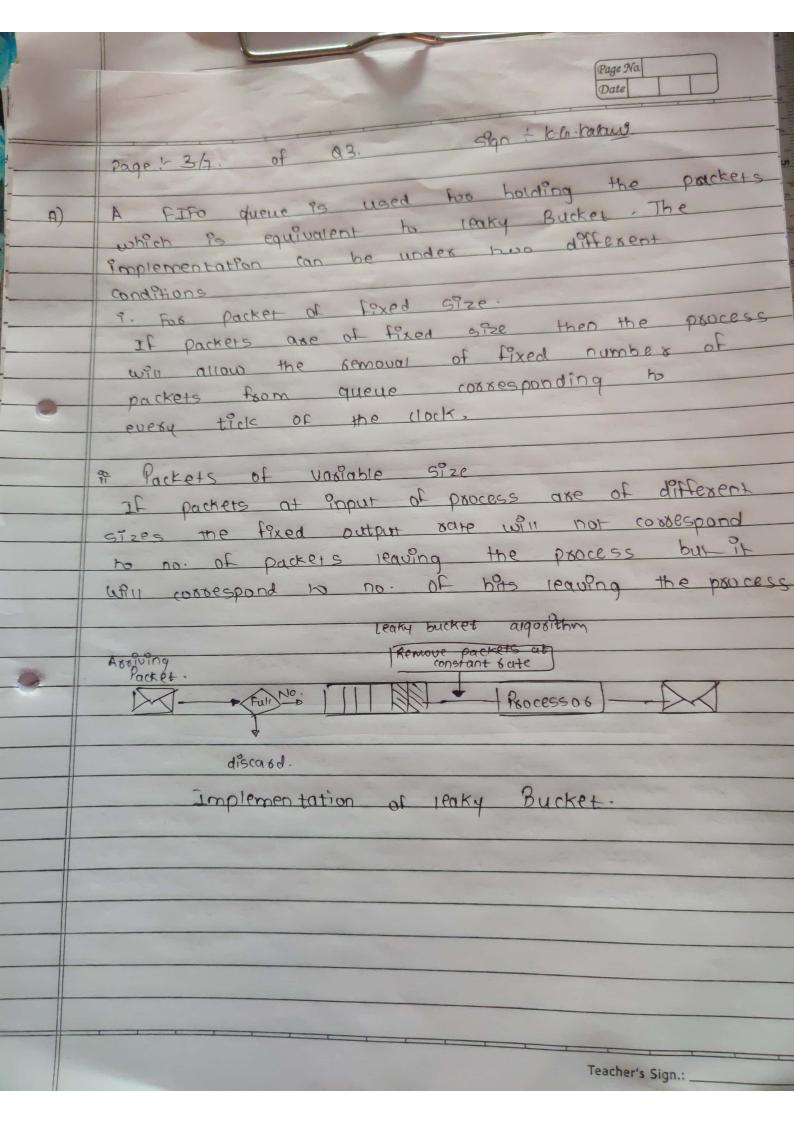
Teacher's Sign.:

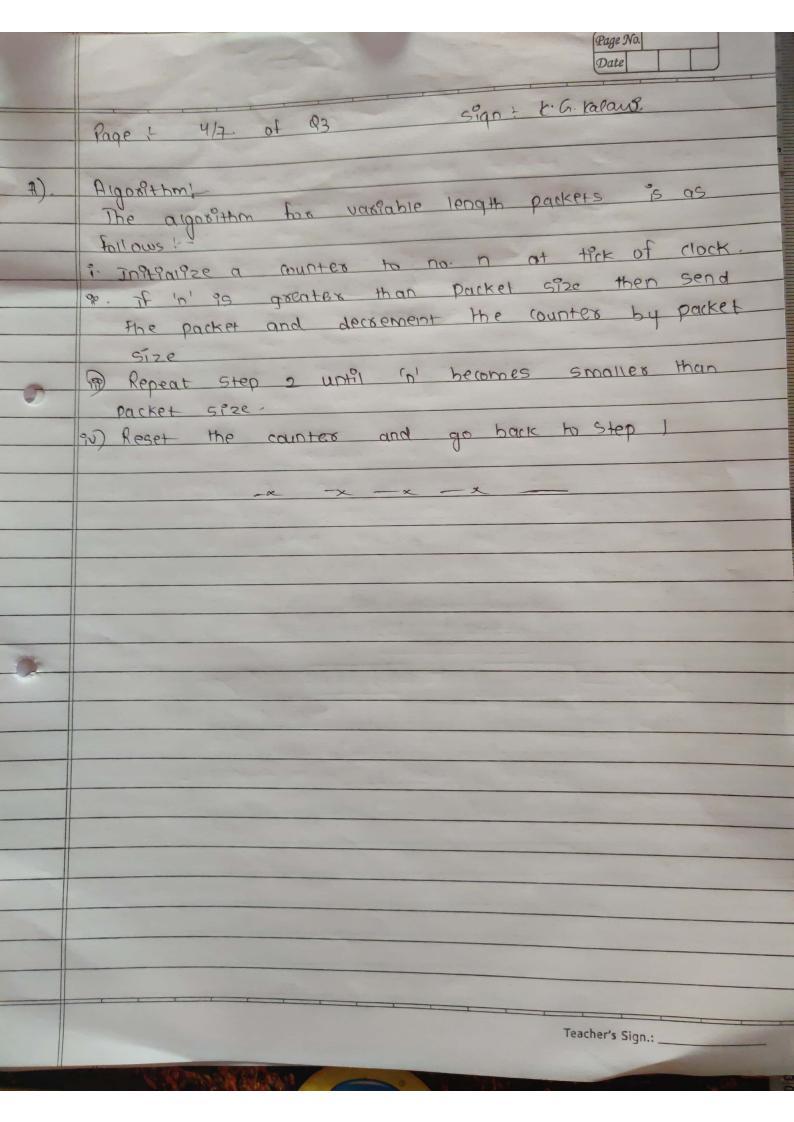
A).





Leaky Bucket agosithm





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	page 1 5/7 of 93. Sign - K-G taland
6).	Phe data link tayer takes packets from the network layer and converts them into Frames. P. Breaking the bit stream Photo Frames is
0	Prome Frame Frame
	framing example using time gaps
	Feaming methods: 9. Chasactes count: a) The fast field is header specifies the number of chasacters in the feame. b) This number helps the secriver to know the number of chasacters in frame following.
	Chasactes Count Method. Chasactes Count Method. Count may get gasbled by transmission exxox.

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Teacher's Sign.: _

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	Page + 6/7 of 93 sign + k-6 rapaid.
0)	P) character stuffing:
	a) It is character oriented protocol.
	5) Each frame starts and ends with FLAG byte.
	d) Thus adjacent frames are appearted by
	two frag bytes-
	(2)
	Problem ! . It 95 possible that FLAG is actually
-	a past of data.
	Solution !-
	a) At gender an ESC character is inserted just
	before FLAG byte present in data
	b) At receiver the Esc is removed from data.
	c) Now if Esc is present in data then extra
	Esc is insexted before in data.
	d) This extra esc is bemoved at beceiver.
	999) Bit Stuffing
	a) It 99 bit objected protocol.
	b) Each frame begins and ends with sperific bit
	spatter 0111110 colled frag byte.
	d'when sender Dol encounter 5 conservative 1's in
	3) data of authority stuffs a ob by h
11	putquing data Stream,
	Otiginal data
	011001111111111111111111111111111111111

