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21:	Routing Prot	ocol:	
α)			
	At Routex	Next Hop	Dis teme
	RI	22.22.198.2	3.
	R2	4.5.55.55	2
	R3	P. 6. 55. 56	2
	RY	Direct	1
7 /	R 5	Direct	I
b)	At Router	Next Hop	Distance
	H C ROUN		12
	RI	22.22.1.2	
	R2	1.521.55.55	13
	<b>R</b> 3	4.5.55.55	1
	R4	Direct	1 1
1 (T)	R5	Direct	

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	आत्मदीपोभव
Q2 Ethernet:	
0	
Hns. cu)	
i) Yes. At link layer, Host A can direct concess that C. as the learning bri	ctly
is transparent to all the hosts	a g c
ii) Yes. Bridge won't forward the truffice  from network so to So in this case	
and the two network segments ar	6
partitioned into two independent collications.	sion
segment (5z) upon which Host B & the server is communicating on	e mmm etmoxk
3	
iv) Yes. Host A sends brodust frame &  bridge will forward call the broadcast that it receives to the other segmen	MIMEL
»—————————————————————————————————————	
	1

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आत्मदीयोधव
Ans. b)
When there is collision between 2 or more hast,
THEY VOL IS USED
Drawback: The colliding host may choose same value
of K. As the colliding host increase, the delay
to send frame increases.
Ans c)
k = 6
K=G - passer sath callision k set =
VIIV. D. WILLIAM P. SET
- K 3et : \$0, I, e, 3,, 313 (15 it is from
30, 2N-13 for n=6
707 11=6
0 - 1 - 4 - 1 - 2
Probability of K = 6
0.04.00
P (H = 6) = 1
3 6
Time : 512 x 6 : 3032
Fot ot x ot
5 0.000303 Second
= 307, 2 mgs 115





<u> </u>	of 1	
Protocol Name	Purpose	
рись	Tt is a network management  protocal used to automate the  process of configuring devices on  IP networks.  The gives computers IP address &  list of IP address of first-hop  routers, subnet musk of subnet  where subnet resides & address of  Jocal DNS server	
ARC	It is used to get the MAC cuddress of first hop router & Josell DNS server.	
DNS	If local DNS server doesn't he the IP address of use Page a which you have to communicate then DNS Protocal is use to get IP address of web Page	
НТУР	computers will send HTTP requesto web server via first hop	

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rage No.			

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RIP, OSPF, BUP	) If our Pucket goes to
	outer network from our
	local network It will use
	one of combind of given
	Protocol to find the first
	hope router DN3 server which
	is out side.
HTTP	Computers will send HITP
	request to evel server via
	first hop router
TCP (IP	To devide HTTP request inf
	TCP segment & further int
	IP Packets
HTTP Response	Server will send response
MITP ROPULA	back using HTTP.