	DATE: / /
Name: Raghan Mahashwasii Rallwo: 53 Panal: A Batch: 04	
Lab Assignment = S (W) RTP	
AIM: Configure RIP	
OBJECTIVES: To understand and implement	RIP in aisco fackot to cacer.
THEORY:	
I) ROUTING ALCOBITHMS	
DISTANCE VECTOR ROUTING To this signifing scheme, each signifier of browledge about the entire notwork Distance vector perotocols such as RV significant retworks using hop count as	With its neighbours.
ii) LINK STATE ROUTING -> OSPF and IS-IS are examples of a -> Link-State perotocols implement an algorith forth first (SPF), also known as Dijkestora the path to a premote destination. -> There's no hope count limitation.	hm called as shootest

		the second secon	
iii) PATH VECTOR ROS Porth vector peroto not receive dist its neighborn; as path injorm	cols one wed fance rector of Instead a mo	logi a priviti CW	OSI COSIIVANIO VI JOHN
II) RIP			
-> Rewling Injohn that Jues hop poth by Source -> RIP MESSAGE FOR	and destinative	n withing	
upto 25 soute	entries.		
,		3.0	- 31
- RIPVI:	The second secon	15	
Hepaog		louion	
	AFI		must be 2010
Route		1Paddresses	
Route		must be zes	40
	must be zelo		
		metric	
V			

-> RIPV2 mossag	fl.	15	3)		
neader 1	Command	Vossion	must 50 2000		
	Q				
	Il adobess				
Route	C SCHOOL STREET	enet mask			
.invies		next hop			
J	71	ntoic			
i) Updates of networks are exchanged possibility. ii) updates are always beroad asted. iii) full souting tables are sout in updates. iv) Routous always trust souting into succeived from neighboraring soutous. -3 Comparison 5/20 RIP V \$ RIPV2					
RIPU			RIPVO		
-> Sends updates	as beandcastl.	-> Sends up	lates as multicast.		
-> Boward custost 255	- 255-255- 255	-> Multicast	at 224-0.0.g.		
-> Does not support a fication of update	intgarry authen-	-> Supposits	authentication of RIPUZ essages.		
-> Classon Rip.		- Classless A			

A RIP TIMERS:	
learned by RIP acre adves This times conterous inter	iguring dy. timors - upolate - intorna
AB	
Q1 State the classification	of I ording protocols.
Ans ROUTIN	G PROTOCOLS
	V
INTERDOMAIN	INTRADOMAIN
PATH VECTOR	DISTANCE LINK STATE
BGP	RIP OSPF
12 Explain some key jeatue	103 of RIP?

Aus 1	key -	teatures of Rif	
-> Up -> Up -> Fu	dates dates UL s	s of networks are exchanged periodically. Some always bound casted. Providing teebles are sont in updates. always tout switting typ societized from reighbouring stone	itey
93 Da	aw	and explain RIP message journet?	
		Command Voscion Reserved	
		Family All D's	
		Notwork address	
Re Recuted		ANO'S	
2 86(All D's	
≈		Distanco	
-> COM	mand	1. 8 bit field used for singuest (1) or scoply(2)	
-> VOOIS	ion:	suggest to vossion of postocol.	
		filled with zonoel.	
- family		16 - bit field	
-> Notions	uk o	iddress: It bytes field. If we use IPMy, then we use	2
y h	Hol	, others 10 bytes are all regrees.	
0.64	-04400	2: spifiers hop count	
	CANACK		

20.1.1.1

10.1.1.2

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