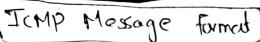
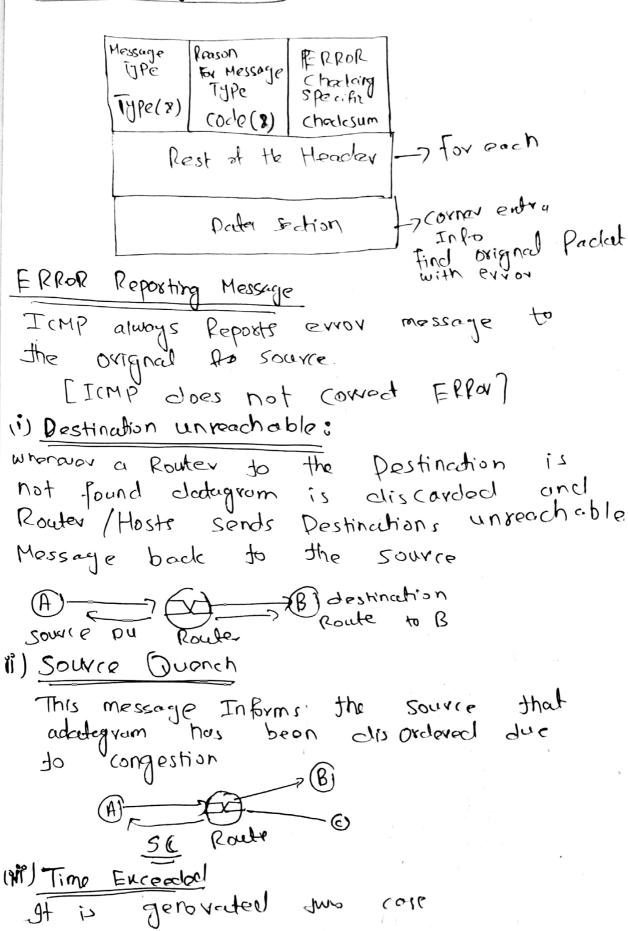
Assignment #03	,
Muhammad Aftikhar	
Section A	
Na-ID 618002A	
Assignment	
ICMP and IP Mobile	
ICMP Internet Control Message Protocol	
Icmp is designed to overcome the following two problems with IP	
Protocol. (i) No ERROR Reporting (corresponding mechanism (ii) Lades a Mechanism for Quaries	、)
[ICMP] [IP] ARR	0
ICMP Message are not directly passed to the Mossage the date link layer. Instead the Mossage the frust encupsulated Inside Ip datagraphe frust encupsulated Inside Ip datagraphe before going to the lower layer.	e oms
ICMP MSQ	· · · · · · · · · · · · · · · · · · ·
Frame from deuter Trader	
IMP Message	
Reports Problems that Router are Host me pricke encounter while Processing of Ip pricke	ر من ا
1 Setch Important specific this Tron	\
a Rowler or Host	

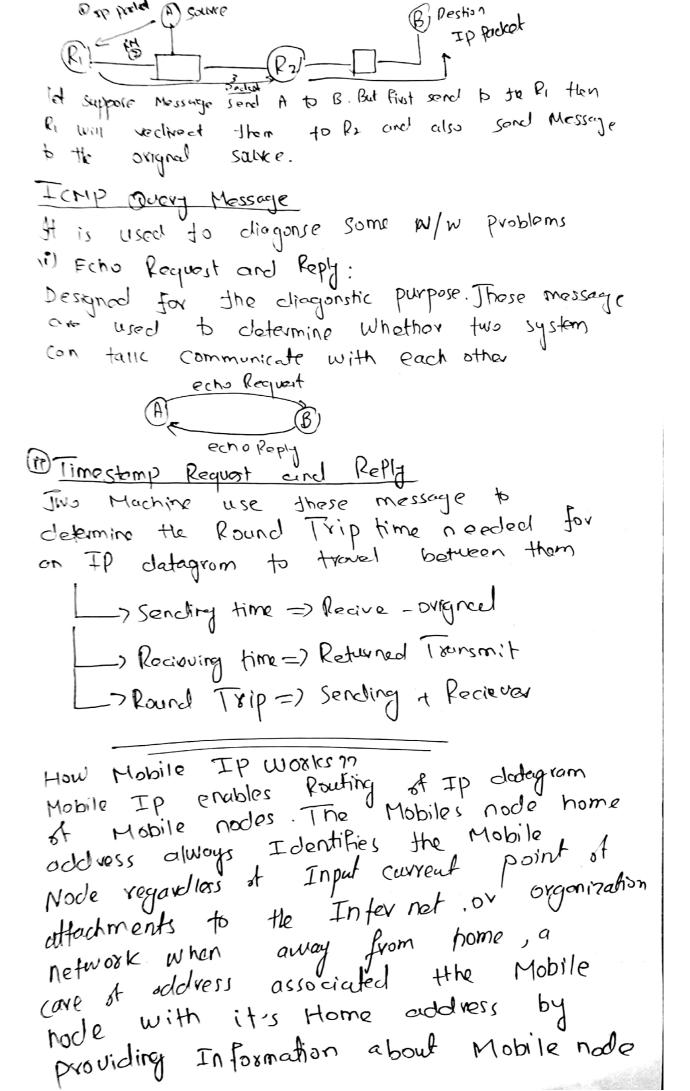




If Router/host discover an ambigoous or missing value in any field of the datagram Parameter Problem it discord datagram and sends 9 ... Pavamater Problems message back to the Source

L>Epror/Ambignouity in one of the Hooder Field L Required Post of the option -> (ose#02

is missing sent from Router to a host on Some Local N/W



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The oxeganization notwork

The nome agent xeclivect destayans from

the nome agent xeclivect destayans

by constructing a new IP. This new

header then encuperalished the oxiginal

to detayan causing mobile nock home

address to hove no ffect untill

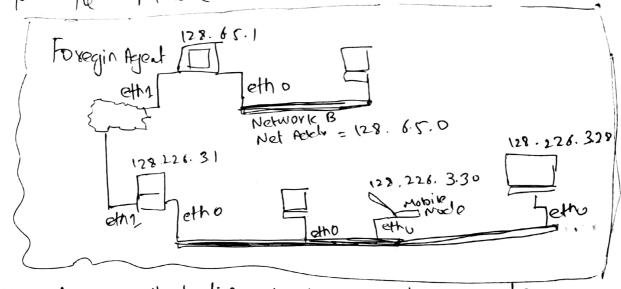
oddress to hove no ffect untill

this type of encupsulation is called

tunnelling. After arrived here each

destayan is de-encupsulated and delivered

the Mobile Nocle.



The following illustration shows a mobile node residing on its home network. Network A, before the Mobile node moves to foright network the Mobile node moves to foright network the Mobile node is always associated with the Mobile node is always associated with the home network by its parmoral IP its home network again to datagram destined for mobile made