	DATE: 1
14	In which case longest prefix matching is exed? Explain with the help of suitable example.
	the help of suitable example.
0 =)	le la
	nlw in order to cond the data packets from source
	to destination. If the address provided by the host to
	with m is used to determine the suitable address eg
N. Ka	Destruction address range link interface
	MODIOD CODIDII) ONDIOXXX XXXXXXX
	HODION ONDIOI ONDION XXXXXXXX
	11 COLORD EEDIGIII PODIIXXX XXXXXXXX 2
	otherwise
	Given destination address - 1100100 ODIOIII ODDIDIO tologgi
	Thus the bits in the ard ordered of interface of has the
	longest match so the packets are forwarded through in
	terfore O. White the state of t
	The state of the s
12	Why fagmentation is required ? Explain about IRy
	header fields that are related to fragmentation.
)	The maximum transmission unit (MTU) a the protect
	various varies accordingly which implies that every
	muters do not have the same amount or MIN
	them. so to every data packets to be transmill ,
	one another roller without toille or with a - 11
	Tramentation is required
	There are three preids which are related to
	mentation in sper header. They are!

	DATE: / /
Ê	geographic limitations, but first and foremost no feedback whether the data packets have reached destination a whether the data packets have reached destination a way terminated in the process Thus Tune message ate used for diagnostic control purposes or generated in response to errors in 10 operations.
ıs.	Explain shoul various error reporting messages used in
7	The types of semp meeting reporting menoger are
	It reports the publisher that the muter or a host
	may encounter when it processes an IP packet the
	a) Destination unreachable
	When a muter connot boute a tatagram or a host
100	cannot deliver a datagram. The datagram is dis-
	carded and the message is displayed.
and the	b) Source Quench
pad;	when a router or host discords a datagram due
	to the congestion, it sends a source quench mest-
	age to the host of the daingram.
3_ ,	a Time exceeded
	When the TTL values reaches a, the moster discords
	the datagram & thrux the message
	d) brameter problems ()
	Any ambiguity in the header part of a datagram con
Spare	create genous problems which may result in discon
	ding of data 4 sends a parameter problem messages
4314	back to the structe.
	the state of the s

