Assignment - B2

Problem Statement 1-

use nedwork simulator hard to

@ monitoring traffic Pos given topology.

(6) Analysis of COMA & ethernet protocols

@ Meterook Pouting · showtest path souting. @ Analysis of congestion control (TCP, UPP).

Theory:

- Network Traffic Monitoring :-

Network traffic manifering is the process of reviewing, analyzing & managing reterror traffic for any abnormally are process that can affect hetwork performance, availability & security. It is a network process that was various took process that was various took process that was various took process the study and also because the study and the process that was apputer network based communication data.

- Corner - senge multiple Access (comA):

The Ps media Access control (ma)

protocol in which a node verifies the
absence of traffic before transmitting

- A dransmitter attempts to aleternine conather another transmission to in progress before injuting a transmission

- Using comp, maltiple nodes may in them send it recieve on some medium

- OSMA/co-

- Used to improve comp performance by
terminating transmission as soon as
collision to detected; thus shootening
the time required before a retry
con be attempted.

- If Ps. the LAN acress method used In ethernet.

- Network Routing.

a path for traffic in a network or between ar across multiple

ADDU Portling protocol 6 - ADDU CAd-Lac on Hemand Distance Vector) es loop free southing protocol for adhac nedrowsky = At each hade, Appv, maintains a roacting table. The routing table entry for a design-ration contains three esential fields ta next top node - a sequence ho. - a hop count. Congestion in computer Metroof-A state occurring for helwork Soyer when message treffic is so heavy that It slows down network response time · Effects of congestion :-- As delay proceedes, persfermance - If delay inorcases, notransmission orang nating streation wase. - congestion control Ps network layer Escie.

Netanok Simulador it of netrousk structural a software that predicts the below of computer network, - It is tool command language - It is powerful scraipling language crope with programming language Condusion ! We have learn't the concepte of maniforing network traffic, comp protocol, network souting, non routing protocol of de monstrated using MS-2 (Heterook Simulators).