Services of SNMP:—

SNMP is a way for different devices on a network to share information with one another. It allows devices to communicate even if the devices are different hardware and run different software without a protocol like SNMP, there would be no way for network management tools to identify devices, monitor networks performance tool to identify, keep track of changes to network or determine the status of network devices in real time. SNMP is client-server architecture has the three following components.

- on SNMP manager
- an SNMP agent a management information base (MIB)

The SNMP manager acts as the client, the SNMP agent acts as server and MIB acts as the server's database. When SNMP manager asks the agents a question the agent uses the MIB to supply the answer.

Working of SNMP:—

All day traffic is ebbing and flowing across your network to find out information related to this network device activity:

For example:—

bytes, packets and

errors transmitted and received the no. of hits a web server, receeves. It works by sending message, called protocol data service. By using these request, the database administering can virtually only data values. The product can either display and store the data on an administrations preferences.

By collecting this data can help it professionals keep on the pulse. When threshold for same value are exceedued software can atleast system of this issue, allowing them to drill system in to the data and troublesheet a solution.

Working of ICMP :-

ICMP used by a devices like a router to communicate with the source of a data packet about transmission issues for example if a datagram is not delivered. ICMP might report this back to the host with details help discern where the transmission went wrong. It is protocol that delive. Unlike the internet protocol is not associated with a transport layer potocol such as TCP, UDP. This makes

ICMP a connectionless protocol

One device does not need to open a connection with another devices before sending any ICMP message.

Services of ICMP :-

The primary purpose of ICMP is for error reporting, when two devices connect over the internet the ICMP, generates error to share the screening device in the event then any of the data did not get its standard dataform. ICMP protocol is to perform network diagnostics, the commonly used the terminal. The traceroute utility used to display the routing path b/w two internet devices. The Journey b/w one router and another is known as hop. This can be useful ford determining sources of network delay.