16 types of Broadcasting it partite setting for Telephone brindcasting (1881-1931) i) Radio broadcasting (from 1906) ii) Cable Radio (also called "Cable FM" from 1922 in it Television Broadcashing (1930) v) Neb Broadrashing ( from 1993) the state of the s fist of Over the or broadcaster i) BBC vi) Fox Mil The CHI. ATV A DE ALER . .ii Sky VQ How With CTV - CTV in in NBD GLOBAL THE KANNELLE The Radio tality etc M CBS consists and the state of the s Network Architecture is the design of a communication networds. It mis to formemorile for specification of a network's physical components and their functional organisation, and configuration, its openational principal and procedures as well as data formats in its operation Network ouchitecture stepers to the layout of the network consisting of the hardware, Doftware, connectivity, communication protocols and mode of transmission such as plived or Wireless.

SHIVENDRA SRIVASTAVA, DEPT. OF BCA, D.K. COLLEGE, DUMRAON

17 Relatocol Studies allo be militarily and A protocol istrice set of sules that governs the communications between computers on or notworks. To other words, protocal is a set of sules that enables network device to initiatise within a network. It provides the suite for of network for providing on precieving Services within a network of when Computer communicate with each other needs its be anset of sudes and instructions that each computer follow. An specific get of communication Sules Tours Freadled Trabacal in Anuclain There are 20 types of Biotocal that are:i) It/W Pointocolo :- is in the more the luck Hordware directly deals with network device within a network. O de physical layer and data link layer are bardware protocolaining and has in the trans moved of pringer and related in Ex. .... ATM, IEEE 802.1, etc. Institute of Stechnical & Electronic laboration and at trailer alle Ingine with all anone place blacks to the grant when and but had ii) slut Potatocal :- in the foundation of the Software Perstacial deals with application Software within a network from network layer SHIVENDRA SRIVASTAVA, DEPT. OF BCA, D.K. COLLEGE, DUMRAON

18 to application layer tayer is conned the kingtonett of Foiotorol 200 the ale 1. at 197 0 C - FTP. Tep/ IP. etc. File Townslor Psintorul 7:the standard mochanism brovided by TCP/1P. for Copying a sile of nom one host its anothen Triansferring files form bre computer its another is one of the most common Jasks eppected from the network in or internet working environment. FTP is used to file transfer blo inter-network nodes FTP is peer- to-peer protocol, it has ability to transfor file blue dissimilar hast because it uses a file structure that is 105- independent. Angular SMTP (Simple Mail Totansfet Powbo col) Strike TCP/1P protocol that specify how computers epchange email. It wonthe with post office protocol. It is used to upload mail directly from the client to an intermediat host but only computers constantly connects Such as internet service provides to the internet can use SMTP to recieve coail with a setting almost of First Mark

SHIVENDRA SRIVASTAVA, DEPT. OF BCA, D.K. COLLEGE, DUMRAON

TOP/ Totatismission, Control Powhow (Internet Psichol) TCP and IP and the two distinct computer networks protocol. When & computers follow the Same protocol, the Same set of States and they ican understand each other and exchange data. TCP & IP are so commonly used together however that TEP/IP has become standavid terminology for referring to this suite of protocols. TCP saindes a message or file winto packets that one transmitted over the internet and then strassenbled when they sunch their destination. IP is susponsible for the address for leach packet So it is sent to the correct destination. TCP/1P technically apply to network communication whole the of TCP transport is used to deliver data accross IP networks ISt ist also called Connection - Ostiented Psiotocol. FOR THE WALLER ATTP (Hyper Text Thansfer Protocol):replacet all straques It is used to manage the dina bis one hyperbest document to another In It is the mechanism that opens the rulated discurrents when we select a hyperites links no notter where that documents recide on the web bles documents and marile for formatting and ulinding twith stone and web serve lives ATTP: I to deliver webpages. It works equally well on Standalone. computer,

SHIVENDRA SRIVASTAVA, DEPT. OF BCA, D.K. COLLEGE, DUMRAON

20 EANT, WAN and the global interret on all major desktop computing platform (UNIX, DS 1 (PC sete) - manual journal of dumation IEMP Internet Contral Message Printocal & 1-1and anter letter as an inclusion and in the publical asoful in internet photocol notwork management and administration. It is a Negwind element of 1P complementation ICMP is to control probably meaning ofhat in it doesn't carry application data, but stather information about the status of the notwood itself. HIMP can be used to event is the communication of returned. application & network congestion 104P also supports track source that can identify the intermediate host tow and given !! Source and destination. Point- to- Point Psichorot 1and the proving Pop Supports the transmission of network packets over a serial P2P line by specifying mechanism for incapsulation notwork protocols Such as internet protocol, internetwork packet exchange. Its encapsulation is based on the high level data line control derived, from the mainframe environment. A typical dial-up Station using F2P publocal is completely

SHIVENDRA SRIVASTAVA, DEPT. OF BCA, D.K. COLLEGE, DUMRAON

21 automated and sequine no scalline uses input. the has fair stages = when the where? 20 Production dip Openhautinhan & De richard to fink establishments on rulanper wither ii) User authentication addies situation iii) Call backs for the mathematic pailing in) Configuration - HI BORT BLAUGH - HI CH mail presente and a strate of days POP. (Post Office Indicat) 12- 1991 Low Filer Solution R Post Office Porotocol is q Simple protocol used for opening the Hempte email boxes, for each on application layer protocol is the OSI model. Popus provides mechanism for Storing messages Sent to each user and secrere by shorp in a respectable called a Mail-Box. When we retrieve la message from 9 Popr3 server, a POP3 dient establishes a transmission - Control protocol osession using TCP. - A result of POP3 commands:is sound strong of which tradente a) Start: - waiting to be subiered. within b) dist :- determine the size of each msg. C) Stetniere :- Retrieve undividual msg. d) quit : End of POPS gession Sumption and the stand 10 Peer - to- Peer Process :---Ja sthis anchitecture, call the computers within in network and equal

SHIVENDRA SRIVASTAVA, DEPT. OF BCA, D.K. COLLEGE, DUMRAON

22 These is 100 any administration - ones there All the resource shaving is based of mutual understanding blue users. It is very less square network and doesn't deal routine within a retwork for avoiding congeption. There may be some limited no. of clients connected in this anchitecture Generally, this auchitecture is used where there security is issues The of the ast The dealer with por a serie de port to the brand F. P. F The party 1 Fir. 1 - Jorn from -Stude 1 addil sale field the baller state TAT I A track Stangartin Intolder wash DNS (Domain Name System) DNS is q distributed dotabase system that works at the transport layer to previde name to address mapping for which applications. Domain Name System are internet's equivalent of a Phonebook. They maintain a directory of domain name and translate them to 1/P adresses. This is necessary because although domain names au easy for people to Hemomber, Computer or machines access

23 nebsite based on 11P adresses. In the internet, the domain name space is divided into two different Section :i) Generic domain name Country domain name i) Generic domain nome :-It defines registered host acc. to their genuic behaviour. Each node defines a domain name which is an indep to the domain name space dotabase. These labels describe the organisation types are listed below :-A REAL STREET 1000 CALERT Label Description Com Commercial augustisation Educational Institution edu Government Institution gov International Institution mil Hilitory Guerps Non-Pringer Osiganisation Network Support Center ui) Country Domain Name :follows the same format as the generic domain name but uses two Character ' country apprenditions in place of three

SHIVENDRA SRIVASTAVA, DEPT. OF BCA, D.K. COLLEGE, DUMRAON

