COMPUTER

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Q.2) what is FTP? Explain it In Detail. Ans FTP stands for File Transfer Protocol. - FTP transfas file to from semote - client/server model. * client: side that initiates transfer (either to/from semote) * servers semate hast - Ptp: RFC 959 - Ptp server: port 2) · Seperate control, data connections - FTP client contacts FTP spayes at post-21, rep is transport protonol.

- Client anthorized over control connection. yet usotisally stomes sessioned trails sending commands ares control connection. - When server receives file transfer connection (for et fle) to client. -after transfessing one file, solver closes data connection - server opens another TCP data connection to transfer another love - control congressions 'out of band" - FTP 508V88 mointains "State": cussent disentary, earlier anthentication

| <i>વી:ક</i> ી | Explain Email protorale in detail. |
|---|--|
| Ans | Firstly, and E-most these one three |
| | majos components. |
| Analysis - Constant, interference and was to be in the land and an a | Uses agents |
| Parameter Manager Commence Commence | mil 508,108 d |
| • | Simple Mouil Transfer Protocol (SMTP). |
| | |
| - | Now, the protocols which is used is |
| | SMTP. [RFC 2821] |
| *************************************** | Here SIMTP uses TCP to reliably transfer |
| nem teknar i sambi, mi siga mini interimente des sicus, e in seccional, in la comunicación de la comunicación | email message from aliert to server, |
| | post 25. |
| 18 43 | dissert transfer: sending server to receiving |
| | SP8VP8. |
| 1 | Three phases of transfer |
| (A) (1) (E) | |
| 1 | * handshaking (greeting) |
| July July Fred | |
| . / | Command Sesponce interaction |
| | * commands & ASCII Jext |
| / | |
| | * response: status code and phlase |
| * | Moul Access Protocols |
| | E SUNT MARKETON DANGE RANGE RA |
| | SMTP: delivery/storage to receiver's server |
| 2 | Mail access pretocals retrievel from |
| | SPRV88 |
| | * POP: Post-Office Protocal [RF-e 1939] |
| | · authorization (agent <-> server) and |
| | dounload |
| | * TMAP: Internet Moil Acress Protocol [REC] |
| | |

| | | Citation . |
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| Date: | Page: | 17 |

· mose featuses (mose complex). · manipulation of stored mags on server * HTTP: gmail, Astmail, Yahoo! Mail, etc. & 5 Describe DNS in detail. Ans DNS stands for Domain Name System. DNS is a diserbosy sesvice that provides a mapping between the name of host on the network and its numerical address. - DNS is sequised for the functioning of the intend. - Each rode in a tree has a domain name, and a full domain name is a sequence of symbols specified by docts - DNS is a sessine that translated the to seekblo al our sman rumob 132-147-105.50, roost people would seach the site by specifying the edusoft. com. Therefore, the domain name is more soluble than IP address DNS is a TCP/IP protocol used on different platforms. The domain name space is divided into these different sections: · Gerezia domains · Country domains · Invesse do main.

8.5) Explain Socket Programming with Top & UDP In detail. the Fisstly, socket means a door between application process and end-end-trongost protocol (wop as top). socket programming with TCP * Client must contact server: - server process must flast be sunning - server must have exected socket (door) that welcomes client's conduct. * Clert contacts server by: - eseating client-local top socket - specifying IP addsess, post number of server process - when client operates sockets client TCP establishes connection to server. - when constacted by client, server top cheates new socket for solver process to communicate with client -:- Gorket Programming with UDP * UDP: no "connection" between alient and 508 vB no hardshaleing - sender explicitly attaches IP address and post of destination to each parted.

| | Date: Page: 19 |
|---|---------------------------------------|
| | |
| | of sender from received packet |
| | |
| * | UPP: transmitted doto may be received |
| | out of order, or lost. |
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