Deepika Dutta

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CCA-102 Data Communications
ASSIGNMENT-2

1:- what are the different types of netwarks.

Ans:- There are the different types of netwarks such as LAN (Local area netwark) is the limited area netwarks within 1 to 5 kelometer LAN is also called enternet connected with wire and wire less. WAN (Wide area netwark) is also called internet. that connected one to anothes netwark with wire or wireless.

Type of WAN -

1:- Inter prize WAN 2:- global WAN MAN (Mebrapalitan area netwark) A MAN is a netwark geographics area such as entire city

As the number of connected peersonal and IoT device and other connected device used defference types of netwark such as

1:- CAN 2:- BPN 3:- EPN 4:- SAN 5:- BAN 6:- PAN

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2:- Explain the shielded twisted pais (STP) unshielded twisted pais (UPS)?

Ans:-

	STP	UTP
i:-	STP has a metal	UTP does not have a metal foil covering
ii:-	STP gives better resistance to electromagnatic inteference as compared to UTP	UTP does not provide better resistance to electromagnatic interference as compared to STP.
iii:-	STP is little expensive then UTP	UTP is less expensive then STP.
iv:-	Grounding is possible.	Grounding is not possible.
v:-	possibility of crosstalk is less as it resist to EMT	possibility of crosstalk more as it provide less resistance to EMT
vi:-	Distance travelled is large and can be used in MAN	distance travelled is less and used in LAN.

3:- what is difference between baseband and broadband transmission?

Ans-

	Baseband	Broadband
	It refers to a communication channel in which information is carried in digital form.	The signals are modulated as radio frequency analog waves that use different frequency ranges.
ii:-	Communication is bidirectional which means the same channal is used to transmit and receive signals.	Communication is unidirection meaning two different channels are needed in order to send and receive signals.
iii:-	Every device on a base band system shares the same channel.	Multiple independent channels can carry analog or digital information through FDM.

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iv:-	Baseband LANs are inexpensive and easier to install and maintain	broadband system are generally more expensive because of the additional hardware involved
	Baseband LANs have a limited distance reach which is no more than a couple miles.	broadband LANs span much larger distances than baseband (up to tens of kilometers)

4:- When you move the NIC cards from one PC to another PC. does the MAC address gets transferred as well.

Ans - When you move the NIC cards from one PC to another PC. does the MAC address gets transferred as well yes thats because MAC address are hard-wired ~~also~~ into the NIC ~~card~~ circuitry, not the PC. this also address when another one replaced the NIC card.

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5:- When troubleshooting computer network problems, what common hardware-related problems can occur.

Ans:- It a understand the question in the event that there are problems in computer strat network there are problems withe the material such as the network card if it is defective are it is not installed only the network cable not good, the connection between the connection and the cable is not good, if there are two or more post to take the ~~son~~ some name or the some IP address.

5:- In a network contions two servers and twenty workstations, where is the best place to install an anti-vires programs?

Ans:- An anti-vires program must be installed on all servers and workstation to ensure protaction that's because individual users can access any workstation and introduce a computer

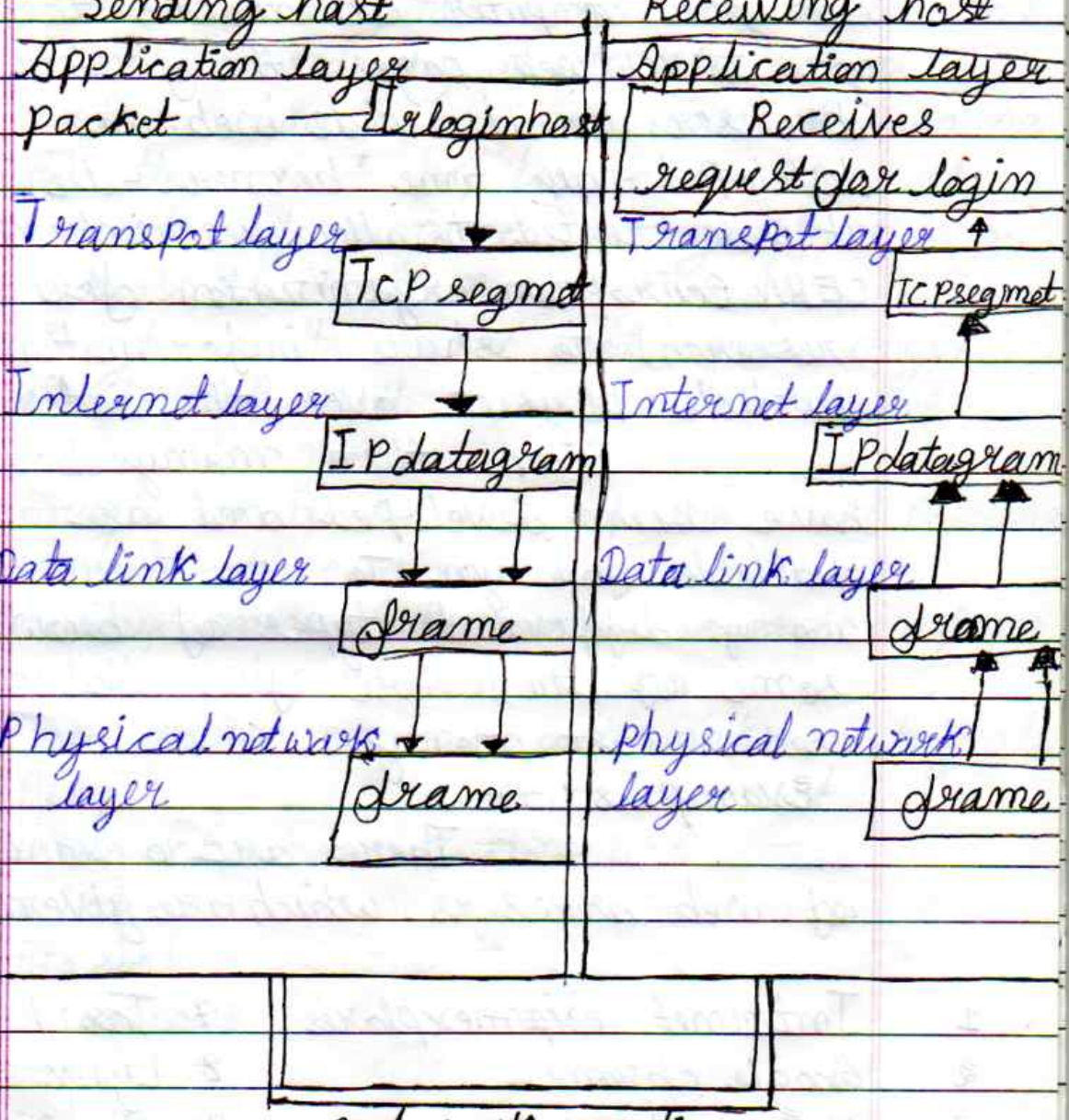
virus when plugging in their removable hard drives or flash drives.

7:- Define static IP and dynamic IP? discuss the difference between IPVA and IPV6.

Ans:-

	STATIC IP ADDRESS	DYNAMIC IP ADDRES
i	A permanent numeric address manually assigned to a device in the network	A temporary IP addres that is assigned to a device or a node wh it is connected to a netw
ii:-	Assigned manually by the network administra	Assigned by the DHCP ter server automatically
iii:-	Does not change once it is assigned to a device.	change each time the device connects to the network.
iv:-	Suitable for dedication service such as mail ETP and VPN servers.	suitable for a large n work that requires in access to all devices.
v:-	Assigning is difficult	Assigning is easier.
vi:-	less secure	more secure

8:- Discuss TCP/IP model in detail.



9:- What is a web browser (browser)? give same eample of browsers.

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Ans:- A web browser is the software installe on your computer or mobile that allo you to view web pages. the first web browser, world wide web. was developed by time berners-lee in 19 it was created to allow researchers at CERN (European organization for nuclea research) to share information abou particle physics over the internet

Since then many browsers have been developed and are available for you to use there are many different types of browsers some of them are free and ~~man~~ same cost money.

Examples :—

There are 10 examples of web browsers. which are given belo

1 Internet ~~exp~~explores
2 Google chrome
3 Mozilla firefox
4 Safari
5 opera
6 Konqueror
7 Tor browse
8 Lynx
9 UC browser
10 brave browse

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10 What is a search engins? Give example.

Ans:- A search engine is a web based tool that is used by people to locate information on the internet same of the most popular examples of search of engines are google Bing. Yahoo! & MSN search

Google is the most used search engine world wide with a 92 porcent marget share in mid-2019.

Google may be one of the most popular search engine but there are many more allernative search engines availble for users

Top search engines alternative to google.

i:- Bing
ii:- Duck Duck Go
iii:- wiki.com
iv:- Ecosia!
v:- Swisscows
vi:- Yahoo
vii:- CC search
viii:- Gibir
ixi:- Qwant
x:- yandex
xi:- Disconnect
xii:- ASK

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11:- What is the internet & www? what are user of internet in our daily life?

Ans:-

	INTERNET	WORLD WIDE WEB
1:-	A global system of interconnected computer work that use the TCP/IP protact to link devices world wide	online content that is formalded in HTML and accessed via HTML protocal
	A massive interconnection of computer networks around the world	service provided by the internet
	uses transmission control protocal/ internet protocal (TCP/IP)	uses hyper text transfar protocal (HTTP)

(1) Education
(2) Business
(3) Banking

(4) Research
(5) Emails
(6) Social media
(7) Finance and accounting
(8) Cashless transactions
(9) E-commerce
(10) online orders and book
(11) Recharges/bill payments
(12) E-ticketing
(13) Job search
(14) file transfer
(15) advertising marketing
(16) Broadcasting
(17) E-paper news
(18) Blogging and publishin
(19) Entertainment
(20) Gaming
(21) Navigation
(22) Home

12:- What is an internet service provicler? Give some example of ISP in india.

Ans:- An internet service provider is an organization that provides services for accessing, using, or participating

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in the internet. internet service providers can be organized in various forms, such as commercial community owned, non-profit, or otherwise privately owned.

Airtel india
Beam fiber
Bharti airtel
Bharti enterprises
BSNL broadband
DEN networks
Idea Cellular
Jio
Mahanagar telephone nigam
MTS M-blaze
Sancharnet
Siti cable
Spectranet
Spice telecom
Tata teleservices
Tikona digital networks
Uninor
Videocon
Voda phone india

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you broadband

13:- Discuss the defference between MAc address, Ip address and port address.

Ans:- An Ip address is a 4 byte indentifier: that indentifies your internet access in a world wide unique fashing. It is like the address of your house it is used by the internet router to deliver a data packet to your house. in arabic numbers Ip address (version 4 - there is also a new standard, version 6) are shown as a. b c. b where a. b. c and d are integers between 0 and 255.

A Mac address is an identifier of your computer's network access. it is imprinted by your computer's manufacturer on the network card, and is manufacturer specific Mac address used to be unique to a device, but that is long gone. strictly speaking they are needed inside a local area network for derect

delivery of a packet form one mechine to another one, directly connected, insid a LAN they must be unique.

A port address is an identifier (16 bit integer up to 65535) that identifier the application on your machine to deliver the packet receiv by the network card to. in the analogy of the houre address. this is your or another person's name living in that houre. so that the delivery can be complet

14:- How do we view my internet brows history?

Ans:- Andraid phone or tablet running google chrome -

Open the google chrome internet browser.
in the upper-right cornes of the screen tap the: icon.

In the drop-down menu that appears, select history and shown in the image.
The page that opens contains your device's history.