Assignment #3

Best 23058

Section A.

Information & Communication

Technologies.

A file system is a logical method for managing the storage of data on a disk's surface such as a hard drive or SSD. A commonly used legical prosmat performed by windows is called the FAT pile System le cause it relies en a standardized pile allocation table (FAT) 12. keep brack of file locations on the disk. NTFS is the depart file. system for voindows N7 and its successors. It supports large file sizes, fite and folder permissions and advanced flagtures FAT32 is an. entended edition of the original FAT file Eystem, It is suitable for. removable storage devices but has limitations on individual fite size. On the Mac platform, the HFS+ has been supplated by the Apple File System (APFS). HPFS is specifically optimized for solid. State driver (SSD's) and flash storage, Linen, to commonly employs the ext4 as its default file system. Renovned for its scal ability and support for large file systems, ext 4 inc. In TBIV's operating systems, the JFS is a notable corrier also IBM developed. the AFF, tailored for high-performing computing envisionments. appende state storage requirements. It also enables high performance computing dusters and storage systems to work Slamlenty bigether. At provides a shored, global Hamespace, allowing multiple Eystems

If multi-user operating systems allows multiple users to use programs that are simultaneously sunning on a single network server called a terminal server. Each users applications sun within their user session on the server separate from all other user

sessions. The software that makes this possible is called a taminal dient. A user typically gets access to a terminal server by using an opticity egetem like wondows, mac. The user configures the tempte desktop dient with nessary superind -ron to enstablish a connection to a terminal server. The injo--vination includes the IP adolsesse of he terminal server. The use in tates a connection from their device to the terms wal server using a configured hemote destrop client. The terminal gener prompts he uses to enter their credentials to authenticate 40 very their identity. Once autenticated, the user gains access to. he desktop environment on the terminal server, upon succeptul authentication, he we interacts with the remote decktop environce as if they same were running locally on their cleases. The output bach to the client, creating a seantess use experience. 4. Between the switch in the ryper left and right, there are 4 connections. There are 4 connections between each of the 3 of the pairs of adjacent switches. This retwerk can support up to 16 connections, 4x 4 = 16 connections. b. Between A and C means. ABC, ADC, CDA, CBA 4 connections are bassing through the switch B and conther 4.

through the switch D, SD

total 4+4 = 8 total connections

Les tecause for the connections between the A and C two connections are vowted through B and two connections through D. For the connections between B and D, two connections through A and two through C. There are 4 connections at most passing through any link. Some of the problems velated to network that I face at home are slow internet speed, connectivity issues, Witi dead zones etc.

Due to slow internet speed, there is lagging during video calls and slow loading of web pages and videos. Due to connectivity issues, devices are unable to connect to the internet. There connectivity problems. There is no intent access in certain areas of the house, or weak / unstable with signals.