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1. Describe the functionality of BIOS and CMOS.  
BIOS (Basic Input Output System) it is meaning read only memory chip found on computer when start operation and system and checks hardware system to other programs.

CMOS (complementary metal-oxide-semiconductor) it meaning chip on the mother board that contains to BIOS configuration of data. CMOS information that the computer needs during startup.

2. Describe the differences between TCP and UDP

• TCP

- Able to sequence

- slower than UDP

- Does not support broadcasting



- It can guarantee delivery of data to the destination of router.

• UDP

- faster than TCP

- Does support broadcasting

- Unable to sequence

- No retransmission of lost packets

- Basic error checking mechanism using checksums.

3. Use IP address 195.20.5.0 / 24

for 66 computer = 66 host

66 host  $\leq 2^7$

195.20.5.0 / 25

BA: 195.20.5.127

for 18 computer = 18 host

18 host  $\leq 2^5$

195.20.5.128 / 27

BA: 195.20.5.159



ថ្ងៃ អង្គារ ពុធ ព្រហស្បតិ៍ សុក្រ ចន្ទ អទិត្យ

កាលបរិច្ឆេទ

ឆ្នាំ

បុរិសា

10/15

15 ឆ្នាំ ៤

195.20.5.160/28

BA: 195.20.5.175