



Sabaragamuwa Provincial Department of Education-
Weekly School

Subject – Information and
Communication Technology

Grade - 12

Week- Jan - 3

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- a) You will be responsible for design the network for a company which consists of two physically separated networks called X and Y, each with 10 computers. The IP addresses for these two networks are 25.30.6.0 and 25.30.7.0, respectively. You should consider the data communication between these two networks also.
- Write down an appropriate subnet for one of above networks
 - Mention the network devices you will need to create a network connecting these two networks and make the networks communicate.
 - Draw a network diagram for this network and write down the appropriate IP addresses you will assign for the interfaces
- b).
- Write down two differences between Hub and Switch
 - Compare the HTTP protocol and HTTPS protocol considering the security.