



## Department of Education, Sabaragamuwa/weekly school

Subject-Information and Communication  
Technology

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Grade-13

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1. 92.168.15.10 is the IP address category of a company. There are five section in the company and needs to networked. Below devices should be connected to that network.

Name	Branch	Number of computers
A	ICT	25
B	Administration	12
C	Training	30
D	Management	5, Finger Print
E	Sales	10

ICT branch should connect to the internet and all the other branches should connected to the internet through the ICT branch. To avoid the network traffic, a proxy server should be connected. Other than that, 2 computers of ICT branch are going to be used as a Mail server and a DNS server.

- a. Draw a network diagram to be used minimum number of switches, cables, routers and firewall. Network addresses of each branch should be mentioned. \*Use standard symbols.
- b. Complete the table given below.

Branch	Network Address	Range of IP addresses
A		
B		
C		
D		
E		