



Q 25.

a. i)

ii)

iii) 110 -

0110

0001

0110

$1^4 1^3 1^2 0^1$
16 42 30

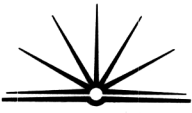
b. i. A flip flop reverses the output.

AND.

ii.	0	0	0
	1	0	0
	0	1	0
	1	1	1

OR.

0	0	1
1	0	0
0	1	0
1	1	0



Q 25.

c) The data that is sent from the scanner to the central computer must match ~~to~~ to one ~~of the~~ ~~of the~~ ~~of the~~ piece of data already stored in the central computer. This then brings up ~~the~~ header information about the employee, data characters are sent to match data already stored in the computer. ~~then~~ If there is a match then information is sent back to the door and the door is opened. ~~then~~ So, data characters are sent back to the door to open the door these data characters are sent from the central computer.