

BRAC UNIVERSITY Department of Computer Science and Engineering

Examination: Quiz Duration: 35 minutes

Semester:Summer 2022

Full Marks: 15

CSE 360: Computer Interfacing

Name: Kazi Md. Al-Wakil

ID: 19301051

Section: 2

1. Consider the following two cases,	enable	input	output
Case1: data is being output in the databus from 2 devices	0	\times	2
Case 2: 2 output device getting input from databus	1	0	0
Which case will cause bus conflict and why? Explain the solution of the conflict using the			
bus tristate Table. [4 Marks]	. \	1	1
and a way of the conflict because here two input	t		

Ans: case I will cause bus conflict because here two input derices are trying to give output to the databus.

The solution you this problem is this state.

In the this method, there is a pin called 'enable' pin. I've enable pin is 1' then the imput device will be allowed to white data to the databus. Also, the other device's enable pin will be '0'. This is called high impedence state. In high impedence state, the output wine of the input device gets a lot nesistance, hence, the device is being thread from influencing the whole cincuit. In this state, no matter what the input is, it won't be passed into the databus. Hence, the conflict will be nesolved.

2. Which devices use Ethernet Port? What are the advantages and drawbacks of this port? [4 Marks]

Ans: Ethernet port is a for network hordware interface. Our a post used computers, Laptops have ethernet port.

Ethernet port Gollows serial transmission

NOW, Advantages of Ethernet port:

- 1) Using this post we can communicate with other devices and with the whole world.
- ② Etherned ports can handle speed brom lambes to lange industries Though, higher transmission speed is provided box lange industries like data streaming. on a TV I. As a client we neceive only lambs to loo mbps.

Dnawbacks:

- DEFINE twisted pain cable is used then, it serves only loometers.

 After loometer, the signal loss is noticable.
- (3) As ethernet port chollows serial transmission, the speed than has been compromised and it bound more on reliable data transmission.
 - 3 Environment can affect the signal transmission speed
 - These are the advantages and dnawbacks of ethernet port.
 - 3. How many clock cycles are required for a 64 bit-Parallel Transmission to send 888 byte data? [1 byte = 8 bit] [4 Marks]

As, in parallel Transmission, 64-bit will transmit in one clock pulse. on cycle.

We have 888 bytes = 888x8 bits

So, the number of clock cycles needed are:



[P.S: Man, I don't have my calculator with me.

4. Which is Plug and Play Port? USB is the plug and play port

PS2

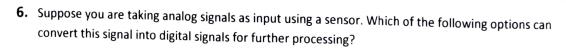
b) USE

c) 36 Pin Parallel Connector

d) DB9

- **5.** Suppose there are three components: CPU, Main Memory and a Monitor are connected. Now which of the following statement is true:
 - a) CPU is connected with keyboard via internal bus
 - b) Memory sends address to CPU through internal address bus for addressing purpose

CPU is connected with monitor via external bus



a) Microcontroller b) Driver Circuit

Calibration Circuit d) Peripheral device