BRAC UNIVERSITY
Department of Computer Science and Engineering

CSE 360: Computer Interfacing
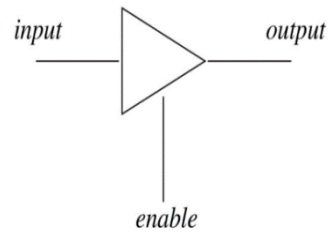
Name: ID: Section:

1. **Explain** how and why wait maintained to avoid bus Fillup the Bus Tristate Table the role of tri-state buffer communication and in conflict. **Explain** based on table. **[5 Marks]** states are conflict. and **justify** gate in data avoiding bus the tristate

enable	input	output
0	X	Z
1	0	0
1	1	1

2. Name the devices that use VGA port. Mention the reasons why VGA ports do not support most modern devices. **[4 Marks]**

3. How many clock cycles are required for a 4 byte-Parallel Transmission to send 24,576 bit data? [1 byte = 8 bit] **[3 Marks]**

4. Suppose you want to use a low level display device with microcontroller. Which of the following options will help to send the needed data to the output device?

   a) Microcontroller   b) Controller

   c) Calibration Circuit   d) Peripheral device

5. Which port supports networking devices?

   a) Firewire   b) Ethernet   c) Serial   d) IP

6. Why HDMI is mainly supported for online gaming than VGA?

   a) Higher resolution

   b) Higher refresh rate 120-260Hz

   c) Higher security

d) Higher data integrity