**Digital Design and Computer Organization Laboratory**

**UE19CS206**

**3rd Semester, Academic Year 2020-21**

Date:

|  |  |  |
| --- | --- | --- |
| Name: | SRN: | Section |

Week#\_\_2\_\_\_\_\_\_\_\_\_

Program Number :\_\_\_1\_\_\_\_

Title of the Program

**FULL ADDER USING BASIC GATES**

Aim:

**DESIGN A FULL ADDER USING BASIC GATES AND VERIFY THE FULL ADDER TRUTH TABLE**

1: Paste the Screen Shot of the source code

2: Paste the Screen Shot of the VVP command output

3: Paste the Screen shot of the GTKWave form

Date:

|  |  |  |
| --- | --- | --- |
| Name: | SRN: | Section |

Week#\_\_2\_\_\_\_\_\_\_\_\_

Program Number: \_\_\_2\_\_\_\_

Title of the Program

**4 BIT RIPPLE CARRY ADDER**

Aim:

**DESIGN A FOUR RIPPLE CARRY ADDER USING FULL ADDERS AND VERIFY THE ADDITION OF TWO FOUR BIT NUMBERS**

1: Paste the Screen Shot of the source code

2: Paste the Screen shot of the GTKWave form

3. Truth Table of Ripple Carry Adder to be included

Date:

|  |  |  |
| --- | --- | --- |
| Name: | SRN: | Section |

Week#\_\_2\_\_\_\_\_\_\_\_\_

Program Number: \_\_\_3\_\_\_\_

Title of the Program

**2 TO 1 MULTIPLEXER**

Aim:

**DESIGN A 2 TO 1 MULTIPLEXER AND VERIFY ITS TRUTH TABLE**

1: Paste the Screen Shot of the source code

2: Paste the Screen shot of the GTKWave form

3. Truth Table of 2 TO 1 MULTIPLEXER to be included

Date:

|  |  |  |
| --- | --- | --- |
| Name: | SRN: | Section |

Week#\_\_2\_\_\_\_\_\_\_\_\_

Program Number: \_\_\_3\_\_\_\_

Title of the Program

**4 TO 1 MULTIPLEXER**

Aim:

**DESIGN A 4 TO 1 MULTIPLEXER UING 2TO 1 MULTIPLEXERS AND VERIFY ITS TRUTH TABLE**

1: Paste the Screen Shot of the source code

2: Paste the Screen shot of the GTKWave form

3. Truth Table of 4 TO 1 MULTIPLEXER to be included

**Disclaimer:**

* The programs and output submitted is duly written, verified and executed my me.
* I have not copied from any of my peers nor from the external resource such as internet.
* If found plagiarized, I will abide with the disciplinary action of the University.

Signature:

Name:

SRN:

Section:

Date: