Bahria University,

Karachi Campus

A picture containing text, room

Description automatically generated

LAB EXPERIMENT NO:

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06

LIST OF TASKS

|  |  |
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| TASK NO | OBJECTIVE |
|  |  |
| 01 | Complete the table by solving the bitwise instruction of all Logical gates. Add the code and output of the logical gates to show solution of MASK BITS given in the table. |
| 02 | Write an MIPS assembly program that clears the 5th bit of a binary value stored in a register using the bitwise 'and' operation. |
| 03 | Create a program that sets the 3rd bit of a binary value in a register using the 'or' operation. |
| 04 | Can you demonstrate how to toggle the 4th bit in a binary value using the 'xor' operation in MIPS? |
| 05 | Implement a program that multiplies a binary value in a register by 32 (2^5) using the 'sll' operation and divides a binary value by 16 (2^4) using the 'srl' operation. |
|  |  |

Submitted On:

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03/11/23

(Date: DD/MM/YY)