Bahria University,

Karachi Campus



LAB EXPERIMENT NO.

\_\_\_12\_\_\_\_

LIST OF TASKS

|  |  |
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| TASK NO | OBJECTIVE |
| QUESTION NO.1 | **Calculate the number of moves in Tower of honnai using mips?** |
| QUESTION NO.2 |  |
| QUESTION NO.3 |  |
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| QUESTION NO.5 |  |
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| QUESTION NO. |  |

Submitted On:

\_\_\_12/ 12/2019\_\_\_

(Date: DD/MM/YY)

**Question-1: Calculate the number of moves in Tower of honnai using mips?**

**Code:**

.data

disc\_Amount: .asciiz "Enter number of disks\n"

moves: .asciiz "Number of moves = "

.text

la $a0,disc\_Amount

li $v0,4

syscall

li $v0 ,5

syscall

move $t0, $v0

li $t4,0

li $t5,0

li $t2,2

Work:

mul $s1,$t2,$t5

addi $s1,$s1,1

addi $t4,$t4,1

sub $s0,$t0,$t4

move $t5,$s1

beqz $s0,Bye

b Work

Bye:

la $a0,moves

li $v0,4

syscall

move $a0, $s1

li $v0,1

syscall

li $v0,10

syscall

**Output:**

