|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Marks Distribution** | **Observations**  **(04)** | **Calculations**  **(03)** | **Results**  **(01)** | **Oral Questions**  **(02)** | **Total**  **(10)** |
|  |  |  |  |  |

**Q1) (a)** Verify the resultant law of two forces and its direction formula.

**(b)** Verify the sine law of forces ( Lami’s theory)

**Observations:**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ***Experimental*** | | | | | | | ***Theoretical*** | | | | |
| **A**  **(N)** | **B**  **(N)** | **(N)** | **α** |  | **γ** | **φ** | **R**  **(N)** | **α** |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |

**Calculations:**

**………………………………………..**

**……………………………………….**

**\*** The sine Law of forces ( Lami’s Theory):

**……………………………………………………...**

**Result:**

1. = **................................** = **................................**

1. = **................................** = **................................**
2. Calculations show Lami’s theory……………………..