EXPERIMENT NO. 1 (A)

AIM: VERIFICATION OF PARALLELOGRAM LAW OF FORCES

<u>APPRATUS:-</u> Gravesand's apparatus complete with two freely moving guide pulleys, weights, thread, a small central ring, white paper sheet, three scale pans, tape, a mirror strip, set squares and pencil.

THEORY: The 'Parallelogram Law of forces' states that if a particle is acted upon by two forces represented in magnitude and direction by the two sides of a parallelogram drawn from a point, then the resultant is completely represented by the diagonal passing through the same point.



PROCEDURE:

- Take any point O on the plane of paper and draw a line OA Parallel to forces Z. Similarly draw a line OB parallel to force X.
- Complete the parallelogram OAC'B as shown in fig. 2



Fig. LW-2

III) Join O to C' which is the diagonal of the parallelogram OC' to the given scale gives the resultant of forces X and Z.

Mechanics Lab Manual

Braja Das



The Enigmatic Realm of **Mechanics Lab Manual**: Unleashing the Language is Inner Magic

In a fast-paced digital era where connections and knowledge intertwine, the enigmatic realm of language reveals its inherent magic. Its capacity to stir emotions, ignite contemplation, and catalyze profound transformations is nothing in short supply of extraordinary. Within the captivating pages of **Mechanics Lab Manual** a literary masterpiece penned with a renowned author, readers embark on a transformative journey, unlocking the secrets and untapped potential embedded within each word. In this evaluation, we shall explore the book is core themes, assess its distinct writing style, and delve into its lasting affect the hearts and minds of those that partake in its reading experience.

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