**REACTION OF A CONTINUOUS BEAM**

**Table 1: Result data for the CASE 1 experiment.**

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| **LOAD**  **(N)** | **SUPPORT REACTIONS (N)** | | | | | |
| **LEFT** | | **MIDDLE** | | **RIGHT** | |
| **EXP.** | **THEORY** | **EXP.** | **THEORY** | **EXP.** | **THEORY** |
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**Table 2: Result data for the CASE 2 experiment.**

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| **LOAD**  **(N)** | **SUPPORT REACTIONS (N)** | | | | | |
| **LEFT** | | **MIDDLE** | | **RIGHT** | |
| **EXP.** | **THEORY** | **EXP.** | **THEORY** | **EXP.** | **THEORY** |
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**Table 3: Result data for the CASE 3 experiment.**

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| **LOAD**  **(N)** | **SUPPORT REACTIONS (N)** | | | | | |
| **LEFT** | | **MIDDLE** | | **RIGHT** | |
| **EXP.** | **THEORY** | **EXP.** | **THEORY** | **EXP.** | **THEORY** |
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Using the tabulated data,

1. Plot the graph of reaction against load for each support of the beam.
2. Draw the best fit curve through the plotted points.
3. Using the slope of the graph, calculate the percentage error between the experimental and theoretical reaction.

**Discussion/Analysis**

1. How does the experimental reactions compare with the theoretical.
2. State the possible factors that might have influenced your results and possible means of overcoming it.

**Conclusions**

Refer to the objective.

**References/Appendices**

1. Text book, reference books from the library or electronic references from the internet.
2. Related photo or plate due to the experiment