

**GREENLAWNS HIGH SCHOOL**

**PHYSICS PRACTICAL TERMINAL EXAMINATION 2021**

**TIME: 1 HOUR**

STD: X .

**MARKS: 15**

**AIM-** To determine the relative density of a given object using Principle of moments.

- 1) Copy the observation table in your composition sheet.
- 2) Observe the experiment carefully.
- 3) Fill the details in the given observation tables.
- 4) Calculate the weight of the given body(load) in air and water.
- 5) Calculate the relative density of the given body using the values calculated by you in step 3.
- 6) Write your conclusion.
- 7) State one factor which affects the accuracy of the experiment.

**OBSERVATION TABLE**

**I] Weight in air**

Centre of gravity	Point of Load	Load arm	Effort	Point of balance of effort	Effort arm	Load in air

**II] Weight in water**

Centre of gravity	Point of Load	Load arm	Effort	Point of balance of effort	Effort arm	Load in water