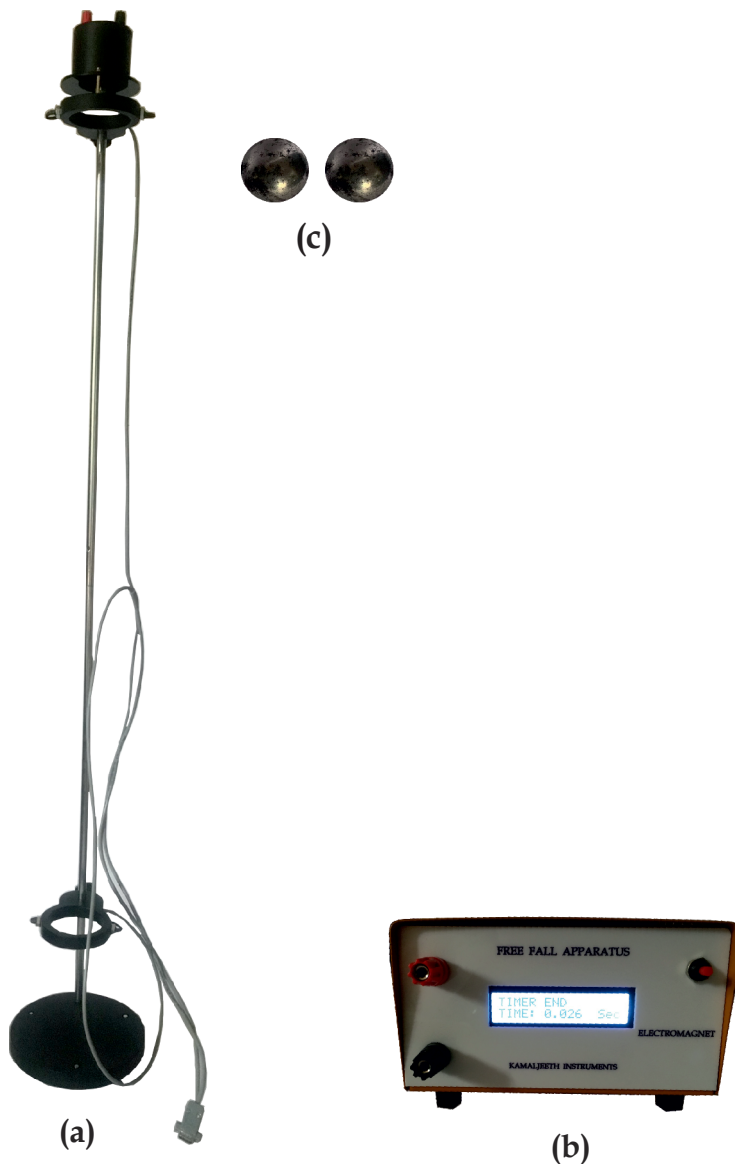


Experiment(s):

1. Determination of acceleration due to gravity

(For more details, procedure & manual visit: www.kamaljeeth.net)

Reference : Reference : Lab Experiments Journal vol-4, No.2, Page-165

**Experiment setup consists:**

- a) Free fall stand
- b) Time interval clock
- c) Objects

Specifications:**a) Free fall stand**

Length: 1100 mm
 Object release mechanism:
 Electromagnetic
 Number of sensors: 2
 Position adjustment for sensor:
 Yes
 Levelling screw for base: Yes
 Distance measurement: manual

b) Time interval clock

Range: 0-999.9 sec
 Resolution: 0.1 sec
 Time measuring: Based on
 inputs from start sensor and
 stop sensor
 Reset: Automatically on
 interrupting start sensor
 Rated Input: 220 V/50 Hz
 or 110 V/60 Hz
 Power consumption: <50 W

c) Object

Spheres (2 nos) of dia 20 mm



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