

# ICSE Class 10 Physics Question Paper Solution 2015

## PHYSICS SCIENCE PAPER I

### Question 1

- (a) When a body is placed on a table top, it exerts a force equal to its weight downwards on the table top but does not move or fall.



- (i) Name the force exerted by the table top. [2]  
 (ii) What is the direction of the force? [2]
- (b) (i) Name one factor that affects the lateral displacement of light as it passes through a rectangular glass slab. [2]  
 (ii) On reversing the direction of the current in a wire, the magnetic field produced by it gets -----, [2]
- (c) (i) On what factor does the position of the centre of gravity of a body depend? [2]  
 (ii) What is the S.I unit of the moment of force? [2]
- (d) Name the factors affecting the turning effect of a body. [2]
- (e) (i) Define equilibrium.  
 (ii) In a beam balance when the beam is balanced in a horizontal position, it is in \_\_\_\_\_ equilibrium. [2]

### Examiners' Comments

- (a) (i) Most candidates answered correctly, however some named the force incorrectly as force applied or force due to friction.  
 (ii) Many candidates simply wrote the direction to be upward rather than stating it to be vertically upward.  
 (b) Most candidates answered it correctly though some wrote changed instead of reversed for direction.

### Suggestions for teachers

- The topic on centre of gravity should be explained by giving a variety of examples so that students understand that even bodies of same volumes or same mass can still have different positions of centre of gravity.

# Grade 10 Physics Final Exam Question Paper

**S Ben Porath**



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