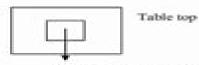
## ICSE Class 10 Physics Question Paper Solution 2015

#### 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.



Force due to weight of the body

- (i) Name the force exerted by the table top.
- (ii) What is the direction of the force?
- (b) (i) Name one factor that affects the lateral displacement of light as it passes through a rectangular glass slab.
  - (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?
  - (ii) What is the S.I unit of the moment of force?
- (d) Name the factors affecting the turning effect of a body. [2]
- (e) (i) Define equilibrium.
  - In a beam balance when the beam is balanced in a horizontal position, it is in equilibrium.

### 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.

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[2]

# **Physics 10 Years Question Paper**

**Oswaal Editorial Board** 

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