

Assignment

ABHYAS Academy,

Near Govt. College, Nishat Cinema Road,
Ambala Cantt., Haryana (India)

Phone: +91-171-2631595, +91-9416541198

e-Mail: anuseti1968@yahoo.com

www.abhyasonline.in

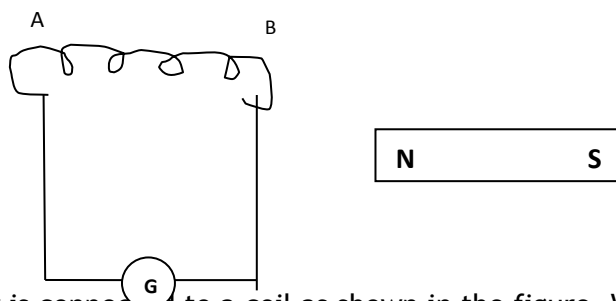
Date: __ / __ / __

Name: _____

Max Marks: 24

Section- A (One Marks Each)

1



A galvanometer is connected to a coil as shown in the figure. When you move the north pole towards end B of coil, the galvanometer deflects towards right. In which direction will the galvanometer deflect when one moves the south pole towards end B of the coil?

2

In which wire of an AC circuit is the switch introduced to operate the lights?

3

How many times does AC used in India change direction in one second?

4

Give one source of AC and one for DC

5

The fuse for domestic use is rated 1A, 2A, 3A, 5A, 10A, etc. which fuse will you use for a 1500 W heater working at a potential difference of 220V?

Section-B (Two Marks Each)

6

What is the role of a fuse used in series with any electrical appliance? Why should a fuse with defined rating not be replaced by one with a large rating?

7

On what principal does an electric generator work? Explain how it follows the law of conservation of energy?

8

What is the advantage of the third wire of earth connection in the domestic appliances?

Section-C (Three Marks Each)

9

What is the short-circuiting and explain how overloading may result in a short circuit?

10

Why are devices connected in parallel in a domestic circuit? What is the colour scheme used in coding the wires?

11

What is Electromagnetic Induction? Explain the direction of induced current using the rule.

Section-D (Four Marks Each)

12

Explain the principle and working of Electric generator.