

## Hall Effect Viva Questions With Answers

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Monthly all you can eat subscription services are now mainstream for music, movies, and TV. Will they be as popular for e-books as well? Viva Questions With Answers for HALL Effect. Feb 7, 2017. Manas Sharma. 1. How is Hall's coefficient related with carrier concentration? 2. On what factors does the sign of the Hall's coefficient depend? 3. sign of Hall Coefficient for an intrinsic semiconductor? 4. Is it possible to measure Hall's coefficient for metals?

Unit 8 Hall Effect - ocw.nctu.edu.tw  
Experiment by students of IIT Patna.

Hall effect | Definition & Facts | Britannica

The Hall Effect And It's Many Applications. In order to truly understand something, you need to know how it is used. Think about it rationally – you can learn how something moves and works, but when you put it into practice in everyday life, makes it easier to grasp.

Hall Effect Experiment and 10 Viva Questions - Apni Physics

This set of Electronic Devices and Circuits Multiple Choice Questions & Answers (MCQs) focuses on "The Hall Effect". 1. In the Hall Effect, the directions of electric field and magnetic field are perpendicular to each other. The above statement is a) True b) False 2. Which of the following parameters can't be found with Hall effect? Read More...

What is hall effect and what is the use of hall effect ...

The Hall effect is the production of a voltage difference (the Hall voltage) across an electrical conductor, transverse to an electric current in the conductor and to an applied magnetic field perpendicular to the current. It was discovered by Edwin Hall in 1879. For clarity, the original effect is sometimes called the ordinary Hall effect to distinguish it from other "Hall effects" which have ...

Hall Effect Experiment in the Physics Lab | BSc | BTech ...

Viva Questions for HALL Effect | 1 Manas Sharma (c) Bragito.com 1. How is Hall's coefficient related with carrier concentration? 2. On what factors does the sign of the Hall's coefficient depend? 3. the sign of Hall Coefficient for an intrinsic semiconductor? 4. Is it possible to measure Hall's coefficient for metals? 5.

Hall effect experiment -C - Psbrahmachary's Blog

If an electric current is made to flow through a conductor in a magnetic field, the magnetic field will exert a transverse force on the moving charge carriers which tends to push them to one side of the conductor. A build up charge at the sides ...

Hall Effect – Engineering Physics Viva

Although in metals, the potential difference developed due to hall effect is too small to be measured even with a highly sensitive moving coil voltmeter, the potential difference is of considerable magnitude in semi conductors especially Germanium.

97 questions with answers in HALL EFFECT | Science topic

Fig. 3: Hall effect geometry again; the strip has a thickness  $t$ , length  $l$ , and height  $h$ . Here, the applied field  $B$  is directed only in the  $z$  direction (into the paper). The  $x$ -direction is along the length of the strip. ... famous Quantum Hall Effect. The fundamental quantum of Hall resistance is  $h/e^2 = 25,813 \Omega$ . In this lab we will only be concerned with the Hall coefficient.

### Hall Effect Experiment

Hall effect, development of a transverse electric field in a solid material when it carries an electric current and is placed in a magnetic field that is perpendicular to the current. This phenomenon discovered in 1879 by the U.S. physicist Edwin Herbert Hall. The electric field, or Hall field, is a result of the force that the magnetic field exerts on the moving positive or negative ...

### Viva Questions for HALL Effect - BragitOff.com

In this post hide 1. Hall Effect Experiment's Viva Questions: 2. Click here for Video LINK: how-to-observe-hall-voltage-in-physics Hall Effect Experiment's Viva Questions: In the hall effect experimen determine the...

### Hall Effect Experiment - UTK Department of Physics and ...

therefore, he suggested that Hall repeated the experiment. At this time, Hall used thin gold foil to accomplish the experiment. Finally, in October, 1879, Hall measured the lateral potential differen successfully. This effect is the famous Hall Effect. Fig. 2 the diagram of Hall Effect (the carriers are positive charges)

### What is Hall Effect | Electrical Interview Questions & Answers

PHYSICS EXPERIMENT 4 EXPERIMENT NO. 4. Object: ... The effect is known is as Hall Effect. This effect is very useful in determining- ... Viva voce. Q.1 Define Hall Effect? Ans. When a current carry specimen is placed in a transverse magnetic field then a voltage is developed which is perpendicular to both, direction of current and magnetic ...

### ITM UNIVERSITY, CSE, SECTION B: PHYSICS EXPERIMENT 4

MOST EXPECTED PHYSICS VIVA QUESTIONS FOR PHYSICS PRACTICAL EXPERIMENT : FOUR PROBE 1) Energy band gap? 2) Relation of resistivity and T? (In case of metal and semi-conductor with reason)

### MOST EXPECTED PHYSICS VIVA QUESTIONS FOR PHYSICS PRACTICAL

I made GM Hall Effect measurement system on a ferromagnetic thin film with different source current and found the magnetic hysteresis loops as shown below. however, in the saturation point

### Viva Questions for HALL Effect - BragitOff.com

Q.What is Hall Effect? A.When a current carrying conductor is placed in a magnetic field mutually perpendicular to the direction of current a potential difference is developed at right angle to bot and electric field.This phenomenon is called Hall effect. Q.Define hall co-efficient. A.It is numerically equal to Hall electric field induced in...

### Applications of Hall Effect – HIEM

AIM: Determination of Hall Coefficient Special Thanks: UEM Kolkata Physics Department Creators: Soumyonil Dasgupta & Amitrajit Bose Study Links: <https://www....>

### Hall Effect - Electronic Devices and Circuits Questions ...

The Hall effect experiment is used to determine the hall coefficient and hall voltage. We observe voltage effect perpendicular to the magnetic field. ... Hall Effect Experiment and 10 Viva Questions Kumar, 1 year ago 2 min read . Expt Viva. Why we rotate Michelson Morley Interferometer Apparatus by 90 degree ...

### Hall Effect Experiment - UEM Kolkata

3) Hall effect board with Hall probe semi-conductor specimen mounted on sun mica PCB :- A specimen of rectangular semi-conductor slab in which Hall effect is to be studied is fixed to a printed (PCB) with the help of 4 supporting terminals. Out of 4

### Hall effect - Wikipedia

EXPERIMENT 20 The Hall Effect Note: Please read the Radiation Safety Regulations at the back of this book Objectives of the Experiment The behaviour of the Hall voltage in a sample of doped ge is studied in three different

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