

Hall Effect Viva Questions With Answers

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Hall Effect Viva Questions With

4Q: Which material (Conductor, Semiconductor, insulator) has been used to explain the Hall Effect? 5Q: The direction of current X-axis, Magnetic field direction is Z-axis, how do you will determine the Hall voltage by the help of majority charge carrier? 6Q: When a charge passes through the magnetic field, a force act on it.

Hall Effect Experiment and 10 Viva Questions

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 both the magnetic 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...

Hall Effect - Engineering Physics Viva

Viva Questions 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. What is the sign of Hall Coefficient for an intrinsic semiconductor?

Viva Questions for HALL Effect - BragitOff.com

Hello friends welcome to my blog .today I am going to say about Viva questions which are commonly asked in experiments during lab evaluation .so let's start our topic . 1.)who introduced the concept of hall effect ?

Physics Viva questions

The Hall Effect experiment. For this purpose, the knowledge of the apparatus is must, like: The first one is electromagnet power supply by which we provide the current in an amp to the electric coils (like the solenoid) as a result we get a uniform magnetic field between the two poles of steel which are inserted in the coils already.

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

lateral potential difference successfully. This effect is the famous Hall Effect. Fig. 2 the diagram of Hall Effect (the carriers are positive charges) The diagram of Hall Effect is shown in Fig. 2. In the conductor, along the x axis is current I_d , and the current is uniformly distributed. The density of the current is $j_d = I_d/A$.

Unit 8 Hall Effect

So, here are more than 7 questions you can prepare for in advance of your PhD viva: You can now check out this post too for 67 practice viva questions!. 1. Summarise your thesis/research in 3 minutes. The classic starter question to summarise your research.

7 viva questions you should prepare in advance - Soph ...

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 was 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 ...

Hall effect | Definition & Facts | Britannica

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 - Wikipedia

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Hall Effect Viva Questions And Answers

MOST EXPECTED PHYSICS VIVA QUESTIONS FOR PHYSICS PRACTICAL MOST EXPECTED PHYSICS VIVA QUESTIONS FOR PHYSICS PRACTICAL EXPERIMENT : FOUR PROBE 1) Energy band gap? ... Hall effect? 4) n- and p- type impurities? Posted by Amit Kumar Aman at 1:33 AM. Email This BlogThis! Share to Twitter Share to Facebook Share to Pinterest.

MOST EXPECTED PHYSICS VIVA QUESTIONS FOR PHYSICS PRACTICAL

This is termed as HALL EFFECT 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.

What is Hall Effect | Electrical Interview Questions & Answers

Before coming to the answer. First, we understand what is Hall voltage? 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 a magnetic fi...

What is the hall voltage for intrinsic semiconductor? - Quora

Fig. 3: Hall effect geometry again; the strip has a thickness δ , length l , and height h . Here, the applied field B is directed only in the z direction (into the paper). The x -component of E drives the steady current I in the x direction, and a y -component of E

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

Viva voce. Q.1 Define Hall Effect? Ans. When a current carrying specimen is placed in a transverse magnetic field then a voltage is developed which is perpendicular to both, direction of current and magnetic field. This phenomenon is known Hall Effect. Q.2 What causes Hall Effect? Ans. Whenever a charge moves in a mutually perpendicular ...

ITM UNIVERSITY, CSE, SECTION B: PHYSICS EXPERIMENT 4

Fig.1 Schematic representation of Hall Effect in a conductor. CCG - Constant Current Generator, J - current density, \vec{e} - electron, B - applied magnetic field, t - thickness, w - width, V_H - Hall voltage. If the magnetic field is applied along negative z-axis, the Lorentz force moves the charge carriers (say electrons) toward the y-direction.

Hall effect experiment:- Determination of charge carrier ...

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'I thought it was realistic sound effect': Nex cinemagoer ...

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