

## *Hall Effect Viva Questions With Answers*

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### Hall Effect Viva Questions With

Expt.1-Hall Effect Experiment and its detail formulation Viva Questions: 1Q: What hall effect signifies? 2Q: What do you understand from Lorentz's force? 3Q: What is Fleming's Left-Hand Rule? 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 Effect Experiment Viva Questions and Demonstration ...

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? 4. Is it possible to measure Hall's coefficient for metals?

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

Hall Effect Viva Questions With Answers.pdf Free Download Here PRACTICAL / VIVA VOCE - Guru Gobind Singh Indraprastha University ... This question should have objective or short answer type questions. ... Hall effect, drift and diffusion currents, continuity equation, ... Electrical Machines: ...

### Hall Effect Viva Questions With Answers

Viva Questions for HALL Effect | 1 Manas Sharma (c) Bragitoff.com 1. How is Hall's coefficient related with carrier concentration? 2. On what factors does the sign of the Hall's coefficient depend?

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### Hall Effect MCQs - Quiz Questions and Answers - A Level ...

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

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### Viva Question And Answers For Hall Effect - laylagrayce.com

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 difference successfully. This effect is the famous Hall Effect. Fig. 2 the diagram of Hall Effect (the carriers are positive charges)

### Unit 8 Hall Effect - ocw.nctu.edu.tw

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 carrying specimen is placed in a transverse magnetic field then a voltage is developed which is perpendicular to both, direction of current and magnetic ...

### PHYSICS EXPERIMENT 4 - blogspot.com

This develop a potential difference along y-axis is known as Hall voltage  $V_H$  and this effect is called Hall Effect. A current is made to flow through the sample material and the voltage difference between its top and bottom is measured using a volt-meter. When the applied magnetic field

$B=0$ , the voltage difference will be zero.

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

X. Hall Effect. 1. What is Hall effect? 2. Define specific resistance  $\rho$  . ... Documents Similar To viva-voce 1 b. Viva Questions. Uploaded by. nithyajothi. Stewart&Gees Apparatus. Uploaded by. ... Physics Viva Questions for 1st. Uploaded by. Sharath Kumar. Dispersive Power of Prism. Uploaded by. Sahil Aggarwal. 2 . B . Sc.

### viva-voce 1 b | Photoelectric Effect (17K views) - Scribd

Viva Questions: 1. What is Light Emitting Diode (LED)? 2. How it is different from Si/Ge diode? 3. How LED works? 4. In the photoelectric effect, a suitable frequency of photon falls on an electron in an atom and ejects the electron. In LED when electron-hole recombination takes place a photon emits. How do you see these two phenomena? 5. Why do you put equal two different energies like eV and ...

### Viva Questions Determination of Planck's Constant - Apni ...

Fig. 3: Hall effect geometry again; the strip has a thickness  $\delta$ , length  $l$ , and height  $h$ . Here, the applied field  $B$  is directed only in the  $z$  direction (into the paper). The  $x$ - ... 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 - UTK Department of Physics and ...

Viva voce questions: 1. Define Hall Effect? 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. 2. What causes Hall Effect?

### Physics Viva | Semiconductors (5.4K views)

The Hall Effect 1 Background In this experiment, the Hall Effect will be used to study some of the physics of charge transport in metal and semiconductor samples. In 1879 E. H. Hall observed that when an electrical current passes through a sample placed in a

### The Hall Effect - University of Washington

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.

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