

# Hall Effect Experiment Viva Questions

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Hall Effect Experiment Viva Questions Hall Effect Experiment and Viva Questions: In the hall effect experiment, we determine the hall voltage and hall coefficient. What is the principle of the Hall effect ?”When we place a current-carrying semiconductor specimen in the presence of a uniform magnetic field, a potential difference creates between the two faces. For example, If the current is flowing along the +X direction, the magnetic field is along the Y-direction, then the potential difference will be along the Z-direction. 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 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 ... 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 instruction manual 10. We guarantee that all of us at greenhouse effect gizmo question answer key offer an VIVA QUESTION AND ANSWERS FOR HALL EFFECT. Update date PHET EXPERIMENT PHOTOELECTRIC EFFECT TEACHERS ANSWER KEY. The Hall effect illustrates the Lorentz force  $v \times B$ . In this experiment you will Discuss the experiment and pre-lab Hall Effect Experiment Viva Questions With Answers 'hall effect

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experiment viva and theory p-type  
germanium Hall effect wafers? Q6:  
What do the red and black inks on  
the samples represent? n-type or p-  
type germanium Hall Effect wafers?  
Explain how you can make the  
conclusion. Remark: 1. The current

flowing in the sample can't exceed 50mA. 2. Be careful to utilize the n-type & p-type germanium Hall effect wafers and avoid impact. 3.

Conversion of the magnetic field: 1 Gauss  $\square$   $10^{-4}$  T 4. Unit 8 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 coefficient. A. It is numerically equal to Hall electric field induced

in... Engineering Physics Viva - ..... And Then There Is Physics hello friends welcome to my blog in this session you will learn about viva questions which will be asked during lab evaluation what are the

apparatus required for the experiment setup of frequency of ac main using an electric vibrator ?

Ans.)electric vibrator,frictionless pulley, light weight pan, ... viva questions on newtons rings 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 effect is known is as Hall Effect. This effect is very useful in determining- ... Before starting the experiment, check the gauss mete is showing zero value. For this put the prove in separate place and switch on the gauss meter, it will show zero meter. (2) Ensure that the specimen is located at the

centre between the pole faces and is ... ITM UNIVERSITY, CSE, SECTION B: PHYSICS EXPERIMENT 4 8) What is the effect of dielectric when it is placed in an electric field? The net field inside the dielectric gets reduced. 9) What is dielectric break down? The phenomenon due to which dielectric loses its insulating property and behaves like a conductor is called dielectric break down. 10) Define dielectric strength of a dielectric. DEPARTMENT OF ENGINEERING PHYSICS 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 MOST

EXPECTED PHYSICS VIVA

QUESTIONS FOR PHYSICS

PRACTICAL EXPERIMENT : FOUR

PROBE 1) Energy band gap? ...

EXPERIMENT: HALL-COEFFICIENT 1)

If hall-coefficient is negative what does it indicate? 2) Significance of

hall-coefficient. What information

do we get? 3) Hall effect? 4) n- and

p- type impurities? Posted by Amit

Kumar Aman at 1:33 AM.

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