

HALL EFFECT VIVA QUESTIONS WITH ANSWERS SLIBFORYOU

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[Hall Effect Viva Questions With Answers Slibforyou](#)

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...

[Viva Questions for HALL Effect - BragitOff.com](#)

Now, if one would consider the Hall effect in fluids, e.g water with ions as in Hall-effect flowmeters, the ion mass M entering the Lorentz equation is much larger. I.e. for sodium ions M_{Na} is ...

[Unit 8 Hall Effect - ocw.nctu.edu.tw](#)

This question will be easier to answer for some than others depending on your research, and is probably something you have thought about before – especially if you have done outreach or public engagement activities. But it is one of those questions that you are more than likely going to get asked in your viva so it is good to be prepared..

[Hall Effect Transducers Objective Questions ...](#)

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Every viva examination is different, so it is not possible to know in advance exactly what the examiners will ask you. However, there are some common questions which you may like to practice as part of your own preparations. Generally, the questions that are asked in viva examinations can be grouped ...

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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.

[EDC lab Viva Questions part-1 Basics ~ ECE School](#)

The above argument provides a simple picture in which to think about the Hall effect — and in fact leads to the correct answer if pursued. However, it presupposes a steady current of charge carriers flowing in the conductor all in a single direction with constant speed. Why, for instance, don't the carriers accelerate? The true nature of macroscopic conduction is a bit more complicated ...

[Hall Effect - Electronic Devices and Circuits Questions ...](#)

Fundamentals of VLSI Lab viva and interview questions with answers for freshers.

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In principle, thermometers made of different material (e.g., coloured alcohol thermometers) might be expected to give different intermediate readings due to different expansion properties; in practice the substances used are chosen to have reasonably linear expansion characteristics as a function of true thermodynamic temperature, and so give similar results.

[Preparing and surviving your Master's or PhD's viva voce ...](#)

I've been answering difficult questions about my PhD thesis all day to prepare for my viva on Monday. I thought I'd post a few of them up here because they offer a handy FAQ and, I think, dispel a few myths about what my research was about. In one sentence what is my thesis? I sought to identify why an attitude and a behaviour were adopted by participants in an online community in ...

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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 field perpendicular ...

[How to answer these questions in the viva? on...](#)

Fig.1 Schematic representation of Hall Effect in a conductor. CCG – Constant Current Generator, J – current density, 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.

[Exp No:1 Diode characteristics Experiment Questions: Viva ...](#)

69. Errors caused by such effects as friction, spring hysteresis, noise, and other phenomena. 70. Random errors indicated when repeated measurements of the same quantity result in differing values. 71. Relatively constant errors occurring due to such effects as sensitivity drift, zero effect, known non-linearities, etc. 72. Unwanted ...

[Basic Electronics - Hall Effect - Tutorialspoint](#)

Questions and Answers Regarding Resistivity, Resistance, Surface Resistivity, Sheet Resistance and Volume Resistivity. by John Clark, C. Eng, M.I.Mech.E., F.B.H.I., Managing Director of Jandel Engineering Ltd. The following comments are based on elementary physics (before semiconductors!) and some years measuring semiconductors and thin films. They are my opinion only, but don't get ...

[Question on Hall Effect - GATE 2006 ECE \(Electron Devices\) - \(www.egate.ws\)](#)

"Phrase questions carefully ~ allow the student to answer fully ~ However - discourage the student from: ~ long answers and/or going off topic ~ Don't allow the student to flounder for too long ~ rephrase the question? ~ or lead them to the answer in stages? ~ The discussion more productive ~ if the student relaxes.... ~ Tell the student you enjoyed reading the thesis?"

[Hall effect | Definition & Facts | Britannica](#)

The effect is known as Hall Effect. This effect is very useful in determining- > The nature of charge carries e.g. whether semiconductor is on n-type or p-type > Carrier concentration or the no. density of charge carries > Mobility of charge carriers. Formula used. Hall Coefficient Carrier Concentration Procedure:- (1) Connect one pair of contact of specimen on the opposite faces to the ...

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Answer: The voltage in input terminal of the vertical amplifier causes the beam to deflect off the CRT screen, is quite low in amplitude. So that high amplitude signals may be displayed, an attenuator network is placed between the vertical input terminals of the vertical amplifier. The main function of the attenuator is to reduce the amplitude of the vertical input signal before applying it to ...

[Hall effect - Wikipedia](#)

Physics - E&M: Magn Field Effects on Moving Charge & Currents (22 of 26) The Hall Effect - Duration: 6:29. Michel van Biezen 25,333 views. 6:29.

[Hall Effect Derivation With Simple Steps and Applications ...](#)

Common PhD viva Question 1. VIVA There are two types of viva examination (viva voce) which the examiner could adopt. The first one is chapter to chapter approach. The second one is random approach. Have to be prepared for the both approach! – can ask SV too if he knows what approach would the examiner use. Greet the examiner. Always listen to the questions from the external and internal ...

[VIVA Questions with Answers - WordPress.com](#)

Kerr Effect b. Raman Effect c. Hall Effect d. Miller Effect. ANSWER: (b) Raman Effect. 17) Which kind/s of misalignment assist/s in the reduction of overlap region in fiber? a. Angular b. Longitudinal c. Lateral d. All of the above. ANSWER: (c) Lateral. 18) Which is the correct order of sequential steps for an electric arc fusion technique?

[Hall effect experiment -C - Psbrahmachary's Blog](#)

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[What is hall effect and what is the use of hall effect ...](#)

Four Probe Method – VIVA QUESTIONS. Mar 16, 2017. Manas Sharma. The following are some of the frequently asked questions for Viva of the Four Probe Experiment, to determine the resistivity and Energy Band gap of a semiconductor. Why is Four-Probe method preferred over other conventional methods for measuring resistivity? Why is the current kept constant for measuring the resistivity of a ...

[Hall Effect Applications of Hall Effect | Electrical4U](#)

The Hall effect is used today as a research tool to probe the movement of charges, their drift velocities and densities, and so on, in materials. In 1980, it was discovered that the Hall effect is, in fact, an example of quantum behavior in a macroscopic object. The Hall effect has other uses that range from the determination of blood flow rate to precision measurement of magnetic field ...

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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) 3) Depletion layer? 4) N- and p- type Relati-of-resistors example? EXPERIMENT : I-H CURVE 1) Retentivity and its plot on I-H curve? 2) Solenoid? 3) What does I-H curve area imply? 4) Examples of para-, di- and ...

[RAF310 - Radiation Biology - Multiple choice questions](#)

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