

# ELECTRICAL ENGINEERING J B GUPTA 1ST SEM

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**What is the first topic in electrical engineering?**

**Who is the god father of electrical engineering?** The father of electrical engineering: Michael Faraday As he gained an interest in science, he started to attend scientific lectures. He was especially interested in electricity, galvanism, and mechanics. Eventually, he attended four lectures given by Humphry Davy, which marked the start of his scientific career.

**What is the first law of electrical engineering?** Kirchhoff's First Law or Kirchhoff's Current Law The total current entering a junction or a node is equal to the charge leaving the node as no charge is lost. Put differently, the algebraic sum of every current entering and leaving the node has to be null.

**What is the first rule of electrical engineering?** Kirchhoff's first law is also known as Kirchhoff's current law and also a basic rule of electrical engineering. It says that nodes appear if resistances are parallel connected. Those nodes are called nodes of the electric current.

**What is the hardest subject in electrical engineering?**

**Which is the toughest branch in engineering?** Chemical engineering is the toughest branch of engineering, necessitating a full understanding of chemistry, physics, and chemistry. Chemical characteristics, bonding, atomic properties, thermodynamics, chemical processes, and so on are also at the heart of chemical engineering.

**Was Einstein an electrical engineer?** He was the first child born to Hermann and Pauline Einstein. Though he attended school as a young boy, he also received instruction at home on Judaism and violin. By the age of twelve he had taught himself geometry. At the age of sixteen he failed an exam in order to qualify to train as an electrical engineer.

**Who is the real father of electricity?** Known as the father of electricity, Michael Faraday was an English scientist who discovered the laws of electromagnetism, and his inventions paved the way for the first electric motors.

**Who invented electrical engineers?** Francis Ronalds is credited as the inventor of the electric telegraph—and sometimes as the first electrical engineer. While the public generally associates Samuel Morse with the invention of the electric telegraph, Sir Francis Ronalds created his own version in 1816.

**What are the 4 rules of electricity?**

**What are the three rules of electrical?** Rule 1 – Electricity will always want to flow from a higher voltage to a lower voltage. Rule 2 – Electricity always has work that needs to be done. Rule 3 – Electricity always needs a path to travel.

**How to define Ohm's law?** Ohm's Law Statement : Ohm's law states that the voltage across a conductor is directly proportional to the current flowing through it, provided all physical conditions and temperature, remain constant.

**What are the 5 golden rules of electrical engineering?** Disconnect from the mains  
• Secure against reconnection • Verify that the system is dead • Carry out earthing and short circuiting • Provide protection from adjacent live parts.

**Is EEE better than ECE?** Both the engineering branches are equally good but it all depends upon the field of interest of an individual. Personally, I feel that the stream might be unique but the only thing a student should focus on is the future goal. Once, he is sure with that, he can then choose the stream of his choice.

**How difficult is electrical engineering?** Electrical engineering courses are often considered among the most difficult in the engineering curriculum, and they require a lot of time and effort to master. Electrical engineering students have to cope with a

heavy workload, tight deadlines, and high expectations from their professors and peers.

**Is electrical engineer harder than electrician?** An electrical engineer usually completes a four-year bachelor's degree, while an electrician may undergo on-the-job training, apprenticeships, or certificate programs at a trade school. As their education level differs, the scope of work also changes.

**Is electrical engineering a lot of math?** While electrical engineering math requirements vary by program, most require learning advanced skills in algebra, calculus, statistics, and more.

**What is the hardest engineering degree?** The top 5 most difficult engineering courses in the world are nuclear engineering, chemical engineering, aerospace engineering, biomedical engineering and civil engineering.

**Which engineering has the highest salary?**

**Which is the coolest branch of engineering?**

**What is the easiest branch of engineering?** While civil and industrial engineering are said to be 'easier' — with chemical, biomedical, and aerospace engineering on the opposite end of the spectrum of difficulty — it is crucial to prioritize personal interest and aptitude over the perceived difficulty of various majors.

**What is the start of electrical engineering?** Electrical engineering may be said to have emerged as a discipline in 1864 when the Scottish physicist James Clerk Maxwell summarized the basic laws of electricity in mathematical form and showed that radiation of electromagnetic energy travels through space at the speed of light.

**How to start basic electrical engineering?** When exploring the world of electronics, it is vital to start by understanding the basics of voltage, current and resistance. These are the three basic building blocks required to manipulate and utilize electricity. With a constant voltage source, we can see how current and resistance change.

**What are the 3 fields of electrical engineering?**

**What are the subjects for electrical engineering?** Courses in Electrical Engineering are interdisciplinary. They focus on principles from Physics, Mathematics, Computer Science, Electromagnetism, Electronics, as well as the fundamental Electrical and Electronic Engineering concepts. You learn how to take systems and devices apart, how they work, and how to fix them.

**What is the traditional music of South India known as?** The classical music in the South is known as Carnatic music. It has developed in the states of Tamil Nadu, Kerala, Andhra Pradesh and Karnataka. Purandardas is considered to be the father of Carnatic music.

**What is a traditional music from South India that is directed to a Hindu god?** Karnatak music, music of southern India (generally south of the city of Hyderabad in Andhra Pradesh state) that evolved from ancient Hindu traditions and was relatively unaffected by the Arab and Iranian influences that, since the late 12th and early 13th centuries, as a result of the Islamic conquest of the north, ...

**What music in South India is more thoroughly?** In contrast to northern styles, Karnatak music is more thoroughly oriented to the voice.

**How important is the music in Indian tradition and their lives?** Religious music in India has been an integral part of the culture since ancient times. It is closely linked to various religious practices and beliefs, and is performed in temples, shrines, and other places of worship. It is also used in ceremonies and festivals, as a form of devotion and meditation.

**What is the Indian style of music called?** North Indian classical music is called Hindustani, while the South Indian expression is called Carnatic (sometimes spelled as Karnatic).

**What instrument is South Indian traditional music?** As regards instruments southern india primary instruments were violin, Mridangam, ghatam, Thamboora, Morzing, Northern India instruments were mostly sarod, tabla, shenai etc. this is what I observed over the years and I am not an expert on this.

**Which of these is the South Indian style of music?** Carnatic music, known as Karn??aka sa?g?ta or Karn??aka sa?g?tam in the South Indian languages, is a

system of music commonly associated with South India, including the modern Indian states of Andhra Pradesh, Karnataka, Kerala, Tamil Nadu and portions of east and south Telangana and southern Orissa.

**What is the traditional music of Hinduism?** Acts which are done for the God is called bhajan. Traditionally, the music has been Indian classical music, which is based on ragas and tala (rhythmic beat patterns) played on the Veena (or Been), Sarangi Venu (flute), Mridanga(or Tabla) (traditional Indian instruments).

**What is the temple music of South India?** Music of South India: Carnatic Music.

**What is the music culture of Karnataka?** Carnatic Music, also known as Karnataka Sangeetha is a form of music unique to South India. While north India follows Hindustani music, southern states of Karnataka, Andhra Pradesh, Telangana, Tamil Nadu and Kerala are known for Carnatic Music performances.

**What are the instruments in the karnatak tradition?** Instruments most commonly used in Hindustani classical music are the sitar, sarod, tambura, sahnai, sarangi, and tabla; while instruments commonly used in Karnatak classical music include the vina, mrdangam, kanjira, and violin.

**Why is Indian music so different?** Most of the music is improvised, or composed by the musician during the performance. That strong improvisational element comes from India's oral tradition of teaching and learning music, which favors the passing down of short musical pieces and phrases rather than long compositions or multipart works (like symphonies).

**What is the most unique thing about Indian music?** Indian music typically contains no harmony, can be completely improvised, and is rarely written down.

**Why is Indian music spiritual?** The music of India spans back more than 4,000 years, originating in Vedas, ancient Indian scripture passed on through the millennia and carefully curated by oral tradition. The most important element ingrained in Indian music is the deep connection to spirituality.

**What is the Indian singing style?** The major vocal forms or styles associated with Hindustani classical music are dhrupad, khyal, and tarana. Light classical forms include dhamar, trivat, chaiti, kajari, tappa, tap-khyal, thumri, dadra, ghazal and

bhajan; these do not adhere to the rigorous rules of classical music.

**What is the South Indian style of classical music called?** Complete Step by Step answer: The classical music of South India is known as Carnatic. It is also called by the same name in Sri Lanka.

**What is the most famous form of music in India?** Ans : The most well-known kind of music in India is film music, sometimes known as Bollywood music. It's one of the most prominent features of Indian pop and classical music and Western music culture. Ans : Sufi folk-rock incorporates modern hard rock and traditional folk music and Sufi poetry.

**What is the main difference between Carnatic and Hindustani music?**

**What is the traditional music of South India?** The music of South India (Sanskrit, Karnāṭaka Saṅgātam) is referred to as Carnatic or Karnāṭak music in English. It has absorbed a number of traditions, theories, and stylistic features over a long period of time.

**What type of music is traditional in India?** There are two major traditions of Indian classical music. They are Carnatic music, a style associated with South India, and Hindustani music, a style associated with North India.

**What is the South Indian style of singing?** Carnatic Vocals Carnatic singing is a style of classical vocal music that originates from the southern regions of India, particularly from the states of Karnataka, Tamil Nadu, Andhra Pradesh, and Telangana.

**What is the temple music of South India?** Music of South India: Carnatic Music.

**What is the northern style of Indian classical called?** Hindustani classical music is the classical music of the Indian subcontinent's northern regions. It may also be called North Indian classical music or Uttar Bhartiya shastriya sangeet.

**What is the instrumental music of India?** Instruments most commonly used in Hindustani classical music are the sitar, sarod, tambura, sahnai, sarangi, and tabla; while instruments commonly used in Karnatak classical music include the vina, mrdangam, kanjira, and violin.

**What is the most common style of singing in North India?** The most common vocal form in North Indian classical music at the present time is the khayal, a Muslim word meaning “imagination.” The khayal is contrasted to the dhruvapada (now known as dhrupad), which means “fixed words.” The two forms existed side by side in the Islamic period, and it is only since the 19th century ...

**How the Dead Dream plot?** After his mother's suicide attempt and two other deaths, T. finds himself increasingly estranged from his latest project: a retirement community in the middle of the California desert. As he juggles family, business, and social responsibilities, T. begins to nurture a curious obsession with vanishing species.

**What is the message in the story the dead?** “The Dead” deals with both literal and metaphorical death. Additionally, these perceptions of those who have died are often tainted by nostalgia, making it hard for the characters to forget about their glorified memories of the past and begin living in the present.

**What is the summary of my dead dream?** "My Dead Dream" by Sarojini Naidu is a poignant and reflective poem that explores the theme of lost dreams and the passage of time. Through its evocative language and emotional depth, the poem conveys a sense of longing, regret, and the bittersweet nature of unfulfilled aspirations.

**How to pass a math test?**

**What is chapter test in math?** Chapter Tests provide an assessment tool for educators to measure chapter concept mastery and allow students to review the chapter materials prior to an in-class chapter test developed by the educator.

**What kind of math is go math?** Go Math! is a comprehensive mathematics curriculum designed for students from kindergarten to sixth grade. It has been developed to align with the Common Core State Standards for Mathematics and the curriculum focal points outlined by the National Council of Teachers of Mathematics (NCTM).

**How do you get 100% on a math test?**

**How do you pass 100% on a test?** Take notes and participate in class to understand the material. Then, start studying the material for 30 minutes each day. For instance, read your notes, make flashcards, take practice tests, or form a study group with friends. Before the test, get a good night's sleep and review your study materials.

**What is the hardest math test called?** Discover the incredibly challenging Putnam Competition, one of the world's toughest math exams. Find out how to approach it and explore more daunting exams on my YouTube channel.

**How do I study for a chapter test?** Read and Review — Early and Often Break chapters into sections and review the material at the end of each before moving on. Make notes by summarizing the critical aspects of the reading so you can easily review them without having to reread entire chapters. Bookmark difficult sections to revisit later.

**What is the hardest chapter in maths grade 12?**

**Will Go math be discontinued?** GoMathAcademy.com has been retired. With the above in mind, HMH has decided to discontinue Go Math! Academy, and is no longer accessible as of December 2021.

**What is replacing go math?** Inquiry-based instruction The framework proposes a fundamental shift to how math content is structured throughout the grades. Instead of organizing curricula and instruction around individual standards, the framework outlines “big ideas in mathematics” for each grade that are designed to drive instruction.

**Is go math good?** Built upon a foundation of mathematics education research and authored by leaders in the field of mathematics education, HMH Go Math! is proven to be effective in raising students' achievement.

**Is a 95 in math good?** Yes, a 95 is generally considered a very good grade.

**Can you go over 100% in math?** Percentages are based out of a hundred, but can mathematically exceed 100% in certain contexts. Learn how to calculate percentages that are higher than 100 through two examples of practical applications.



**How can I get a+ in math?** Attend all classes and Pay attention in class is crucial to understanding the concepts being taught. Therefore, make sure to attend all classes, make good notes, and ask your teacher or professor if you have any queries. Math requires a lot of consistent practice to master. Hence, set aside time to practice every day.

**How to get AA on a test?**

**How to learn without forgetting?** Use distributed practice. Use repetition to firmly lodge information in your memory. Repetition techniques can involve things like flash cards, using the simple tips in this section, and self-testing. Space out your studying and repetition over several days, and start to increase the time in between each study session.

**How to get A+ on every test?**

**Is SAT math hard?** The SAT Math section can be a formidable challenge, especially when you encounter those mind-boggling questions towards the end of each section.

**What is the hardest math to ever exist?**

**What math class is hardest?** 1. Real Analysis: This is a rigorous course that focuses on the foundations of real numbers, limits, continuity, differentiation, and integration. It's known for its theoretical, proof-based approach and can be a paradigm shift for students used to computation-heavy math courses.

**How to study fast?**

**How to boost your brain before an exam?**

**How to ace a test?**

**Which is the easiest math chapter?**

**How hard is trigonometry?** The difficulty of college trigonometry can vary from person to person, depending on your previous experience with math and your general math aptitude. However, for most people, it tends to be manageable. Trigonometry primarily focuses on the relationships between angles and side lengths

of triangles.

**Is calculus the hardest math?** Calculus is widely regarded as a very hard math class, and with good reason. The concepts take you far beyond the comfortable realms of algebra and geometry that you've explored in previous courses. Calculus asks you to think in ways that are more abstract, requiring more imagination.

**How can I be good at math test?**

**How do I make sure I pass maths?**

**What do I do if I fail a math test?** A failed exam can come as a shock but shouldn't define your entire semester. Avoid the temptation to quit a subject or ignore studying because of one bad grade. Use the experience of failing an exam as an opportunity to work on your weaknesses. Remember to stay calm and ask your professor for advice on how to improve.

**How to do math tests faster?** Practice regularly: Consistent practice is crucial for developing speed. Solve a variety of problems regularly, including both easier and more challenging ones. This will help you build familiarity with different problem types and increase your overall speed.

**How do I be good at math?**

**How to not fail a math test last minute?** Use all the time allowed for the exam. Whatever you do, don't turn in the exam until your instructor says that time is up. If you finish answering all the questions before the end of the exam period, double-check all your answers, and reread all the directions. Make sure you didn't make any simple, avoidable mistakes.

**How to ace math?**

**Is it okay if I fail math?** Is it okay to fail one class in high school? Yes, it is normal to fail one class in high school. You can still graduate on time by completing a credit recovery program for the failed class, before the senior year. Failing a class is not the end of the world.

**What happens if you can't pass maths?** Resit your GCSEs through your school. You can still enrol to retake your GCSEs at a local school, college or exam centre. This means you'll have a timetable and attend classes with other GCSE students. For Maths and English, resitting is compulsory if you haven't achieved a pass (grade 4).

**Is it hard to pass maths?** Mr Sims said a “staggeringly low” proportion of pupils pass their maths exams the second time and the chance of teenagers passing reduces every time they retake it. In 2022 the resit pass rate was 20 per cent.

**Can you fail 8th grade if you fail math?** In every US based education system I have been in, no you would not fail 8th grade, you would move on to 9th grade. You might get flagged and put into a math class other than the standard 9th grade math (at most US schools this would be Algebra 1).

**Is it okay to fail a test?** Yes, it's okay to fail an exam in college. It happens to many students and, while it may feel like it's the worst thing ever, it's not! Generally, one failing grade won't mean you fail your entire program!

**How many students fail math?** The percentage of failures for those who attended classes at least 80% of the time were 20% for math, 12% for science, 11% for social studies, and 9% for English, the figures show.

**How can I get better at math ASAP?**

**How to be quicker with math?**

**How to master maths?**

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