

ELECTRICAL WIREMAN EXAMINATION QUESTION PAPER Online PDF

Electrical wireman examination question paper is a crucial document for aspiring electricians aiming to secure their certification and establish a successful career in electrical wiring and maintenance. Preparing for this examination requires a clear understanding of the question paper pattern, the key topics covered, and effective strategies to excel. In this article, we will delve into the structure of the electrical wireman examination question paper, discuss the essential subjects to focus on, and provide tips to help candidates perform their best.

Understanding the Electrical Wireman Examination Question Paper

Pattern and Format of the Question Paper

The electrical wireman examination question paper typically comprises multiple-choice questions (MCQs) designed to assess the candidate's knowledge and practical understanding of electrical wiring and related concepts. The key features include:

- Number of Questions: Usually around 100 to 150 questions
- Duration: 2 to 3 hours
- Marking Scheme: Each correct answer carries a specific number of marks, with some exams deducting marks for incorrect responses
- Language: Primarily in regional languages or English, depending on the examination authority

Understanding this pattern helps candidates manage their time efficiently and focus on each section appropriately.

Sections of the Question Paper

The question paper is divided into several sections, each testing different aspects of electrical knowledge:

- Electrical Wiring and Installations
- Electrical Equipment and Devices
- Electrical Safety and Regulations
- Mathematics and Basic Electrical Calculations

- Practical Knowledge and Problem-solving

Candidates should familiarize themselves with the weightage of each section to prioritize their preparation accordingly.

Key Topics Covered in the Electrical Wireman Examination

1. Electrical Wiring and Installation

This section tests the candidate's ability to understand wiring diagrams, installation procedures, and standards.

- Types of wiring systems
- Wiring accessories and their functions
- Methods of wiring (surface, concealed, conduit, etc.)
- Lighting and power circuits
- Earthing and grounding practices

2. Electrical Equipment and Devices

Knowledge of various electrical appliances and their specifications is vital.

- Transformers, motors, and generators
- Switchgear and protection devices
- Lighting fixtures
- Battery and UPS systems
- Measurement instruments and testing devices

3. Electrical Safety and Regulations

Safety is paramount in electrical work; hence, this section emphasizes safety standards and regulations.

- Electrical safety practices
- National and local electrical codes
- Protection against electric shocks
- Fire safety measures
- Proper use of personal protective equipment (PPE)

4. Mathematics and Basic Electrical Calculations

A strong grasp of mathematical concepts aids in accurate calculations.

- Ohm's Law and electrical formulas
- Calculating load, current, voltage, and resistance
- Power and energy calculations
- Wire sizing and circuit design

5. Practical Knowledge and Problem-solving

This section assesses the candidate's ability to apply theoretical knowledge to real-world scenarios.

- Reading and interpreting wiring diagrams
- Identifying faults and troubleshooting
- Estimating material requirements
- Understanding schematic diagrams

Preparation Tips for the Electrical Wireman Examination

1. Study the Syllabus Thoroughly

Understanding the detailed syllabus provided by the examination authority ensures focused preparation. Candidates should cover all topics, including theoretical concepts and practical applications.

2. Practice Previous Year Question Papers

Solving past question papers helps familiarize candidates with the exam pattern and frequently asked questions. It also improves time management skills.

3. Focus on Important Topics

Prioritize core areas such as wiring practices, electrical safety, and basic calculations, which carry higher weightage in exams.

4. Use Standard Reference Books and Materials

Rely on reputed books and online resources that cover the NCVT or state-specific syllabus

comprehensively.

5. Take Mock Tests

Participate in mock exams to assess your readiness, identify weak areas, and build confidence.

6. Stay Updated on Electrical Regulations

Keep yourself informed about the latest electrical safety standards, amendments, and codes issued by authorities like BIS or local bodies.

Benefits of Accessing Electrical Wireman Examination Question Paper

1. Better Understanding of Exam Pattern

Knowing the question paper structure allows candidates to strategize their preparation effectively.

2. Identification of Important Topics

Reviewing question papers highlights frequently tested topics, enabling focused study.

3. Improved Time Management

Practicing with actual question papers helps in managing time efficiently during the exam.

4. Boosts Confidence

Regular practice reduces exam anxiety and builds confidence in tackling the questions confidently.

Where to Find Electrical Wireman Examination Question Paper?

Candidates can access question papers from various sources:

- Official Websites of State or Central Examination Boards
- Online Educational Platforms and Forums
- Training Centers and Coaching Institutes
- Printed Guides and Practice Booklets

Always ensure the question papers are from official or reliable sources to get accurate

representations of the exam.

Conclusion

Preparing for the **electrical wireman examination question paper** involves understanding the exam pattern, focusing on core topics, practicing previous papers, and staying updated with electrical regulations. A well-structured preparation strategy can significantly increase the chances of success, opening doors to rewarding career opportunities in electrical wiring, installation, and maintenance. By leveraging the insights gained from past question papers and adhering to best study practices, candidates can confidently approach their exam and achieve their certification goals.

Electrical Wireman Examination Question Paper: A Comprehensive Guide and Analysis

Preparing for the Electrical Wireman Examination can be a demanding yet rewarding journey for aspiring electricians and electrical technicians. The question paper serves as a crucial benchmark to assess your practical knowledge, theoretical understanding, and problem-solving abilities related to electrical wiring, safety standards, and installation practices. In this detailed guide, we will break down the structure of the examination question paper, analyze typical question types, and offer tips to maximize your performance.

Understanding the Electrical Wireman Examination

The Electrical Wireman Examination is conducted by various state and central authorities to certify individuals who wish to work as licensed wiremen or electricians. The exam primarily tests your competency in electrical wiring, safety procedures, tools, and adherence to electrical codes.

Purpose of the Examination

- To ensure safety and quality in electrical installations.
- To verify practical and theoretical knowledge.
- To promote standardized practices across the industry.

Exam Format Overview

While formats may vary slightly depending on the jurisdiction, the typical question paper includes:

- Multiple Choice Questions (MCQs)
- Short-answer questions

- Practical or diagram-based questions (occasionally)
- Time duration: Usually 2 to 3 hours
- Total marks: Varying, often around 100 marks

Structure of the Question Paper

Sections Breakdown

The question paper is generally divided into the following sections:

- Basics of Electrical Engineering
- Electrical Wiring and Installations
- Tools and Safety Equipment
- Electrical Regulations and Standards
- Electrical Drawing and Diagrams
- Practical Knowledge and Troubleshooting

Each section aims to assess a specific skill set, ensuring a comprehensive evaluation of your readiness to work as a wireman.

Typical Question Distribution

Section Approximate Number of Questions Marks Allocation		
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Basics of Electrical Engineering	10-15 questions	15 marks
Electrical Wiring & Installations	20-25 questions	30 marks
Tools, Safety, and Equipment	10 questions	10 marks
Regulations, Codes, and Standards	10 questions	15 marks
Drawing and Diagrams	5-10 questions	10 marks
Troubleshooting & Practical Knowledge	10 questions	20 marks
Total	65-80 questions	100 marks

Key Topics and Common Question Types

- Basics of Electrical Engineering

This section lays the foundation, covering fundamental concepts such as:

- Ohm's Law ($V=IR$)
- Types of electrical circuits (series, parallel)
- Electrical quantities (voltage, current, resistance, power)
- Conductors and insulators
- Basic electrical formulas

Sample Question:

What is the total resistance when two resistors of 4 Ω and 6 Ω are connected in series?

Answer: 10 Ω

- Electrical Wiring and Installations

This is the core area of the exam, focusing on:

- Wiring methods and materials
- Conduit and cable types
- Load calculations
- Lighting and power circuit wiring
- Earthing and grounding procedures
- Wiring diagrams and symbols

Sample Question:

Which wire gauge is recommended for a 16-amp power circuit?

Answer: 2.5 mm² copper wire

- Tools, Safety Equipment, and Precautions

Understanding the correct use of tools and safety gear is critical:

- Types of screwdrivers, pliers, wire strippers
- Personal protective equipment (gloves, goggles)
- Lockout/tagout procedures
- Safe handling of live wires
- Common hazards and mitigation

Sample Question:

Which safety device is used to protect against overloads in a circuit?

Answer: Circuit breaker

- Electrical Regulations and Standards

Knowledge of local and national electrical codes ensures compliance:

- IS codes or relevant standards
- Wiring regulations
- Color coding of wires
- Certification and licensing procedures

Sample Question:

According to standard wiring color codes, what is the color used for the live wire in AC circuits?

Answer: Red or Brown (depending on standards)

- Electrical Drawing and Diagrams

Interpretation and creation of electrical diagrams are essential skills:

- Reading wiring diagrams
- Identifying symbols
- Sketching simple wiring layouts

- Understanding circuit connections

Sample Question:

Identify the symbol for a single-phase switch from the options below.

- Troubleshooting and Practical Knowledge

Real-world problem-solving forms a significant part of the exam:

- Diagnosing common faults (short circuits, open circuits)
- Using testing instruments (multimeters, testers)
- Repair and maintenance procedures

Sample Question:

You find a circuit is not functioning. What is the first step in troubleshooting?

Answer: Check the power supply and ensure the circuit is live.

Tips for Excelling in the Question Paper

- Understand the Syllabus Thoroughly: Focus on core topics, especially wiring practices and safety.
- Practice Past Question Papers: Familiarize yourself with question patterns and time management.
- Use Diagrams and Drawings: Practice sketching wiring diagrams quickly and accurately.
- Master Safety Protocols: Safety is paramount; expect questions testing your knowledge of safety standards.
- Learn Standard Codes: Remember key color codes, device ratings, and standards.
- Practice Troubleshooting: Develop a methodical approach to identify faults efficiently.
- Time Management: Allocate time wisely?spend more time on questions with higher marks.
- Stay Updated: Keep abreast of any recent changes in electrical standards or codes.

Conclusion

The Electrical Wireman Examination Question Paper is designed to evaluate both theoretical knowledge and practical skills essential for safe and effective electrical work. A comprehensive

understanding of electrical basics, wiring standards, safety practices, and troubleshooting procedures is vital for success. By systematically analyzing question patterns, practicing past papers, and honing practical skills, candidates can confidently approach the exam and secure their certification as licensed wiremen.

Remember, success in the exam not only validates your technical competence but also paves the way for a secure and rewarding career in the electrical industry. Prepare diligently, stay focused, and approach each question with clarity and confidence. Good luck!

QuestionAnswer What are the main topics covered in the electrical wireman examination question paper? The exam typically covers electrical circuits, wiring practices, electrical laws, safety protocols, motor connections, and troubleshooting techniques. How can I effectively prepare for the electrical wireman examination? Preparation involves studying the prescribed syllabus, practicing previous question papers, understanding electrical diagrams, and gaining hands-on experience with wiring tasks. What is the passing criteria for the electrical wireman exam? The passing criteria usually require scoring a minimum percentage, often around 50-60%, but it varies by region or examining authority. Candidates should check their specific regional guidelines. Are there any practical components in the electrical wireman examination? Yes, many exams include a practical test where candidates demonstrate wiring skills, circuit troubleshooting, and electrical safety practices. What are common topics to focus on for the electrical wireman question paper? Key topics include Ohm's Law, wiring diagrams, electrical equipment, safety procedures, and the use of testing instruments. Where can I find model question papers for the electrical wireman examination? Model question papers are available on official government or examination board websites, vocational training institutes, and online educational portals. How important is understanding electrical safety in the wireman examination? Understanding electrical safety is crucial, as it is a core component of the exam, ensuring electricians work safely and adhere to safety standards to prevent accidents.

Related keywords: electrical wiring questions, electrical engineering exam, wireman certification questions, electrical trade questions, electrician exam papers, electrical wiring practices, electrical safety questions, wireman license exam, electrical installation questions, electrician training test

Wireman raj iti centre

wireman raj iti centre is a renowned institute dedicated to providing high-quality electrical training and certification programs for aspiring electricians and wiremen. Located in a strategic location, Wireman Raj ITI Centre has established itself as a trusted name in vocational education, emphasizing practical skills, industry relevance, and comprehensive knowledge. Whether you're a

student looking to start a career in electrical work or a professional seeking to upgrade your skills, Wireman Raj ITI Centre offers courses tailored to meet your needs, ensuring you are well-equipped to excel in the competitive field of electrical installation and maintenance.

Overview of Wireman Raj ITI Centre

Wireman Raj ITI Centre is an Industrial Training Institute (ITI) specializing in electrical trades, particularly focusing on wireman courses. The institute aims to bridge the gap between theoretical knowledge and practical application, preparing students to work confidently in residential, commercial, and industrial electrical setups. With experienced instructors, modern facilities, and a curriculum aligned with industry standards, Wireman Raj ITI Centre stands out as a leading vocational training provider.

Courses Offered at Wireman Raj ITI Centre

The institute offers various courses designed to cater to different levels of expertise and career aspirations. Here are the primary courses available:

1. Electrician (Wireman) Course

- Duration: Typically 6 months to 1 year
- Focus: Electrical wiring, maintenance, safety protocols, and installation techniques
- Certification: Recognized by relevant industrial and government bodies

2. Advanced Electrical Technician Courses

- Duration: 1 year or more
- Focus: Complex electrical systems, automation, PLCs, and industrial controls

3. Short-term Skill Development Programs

- Duration: 1 to 3 months
- Focus: Specific skills like residential wiring, industrial wiring, or troubleshooting

4. Apprenticeship and On-the-Job Training

- Duration: Varies

- Focus: Practical experience in real-world electrical projects under supervision

Why Choose Wireman Raj ITI Centre?

Choosing the right institute is crucial for a successful career in electrical trades. Here are some compelling reasons to opt for Wireman Raj ITI Centre:

1. Industry-Relevant Curriculum

- The courses are designed in consultation with industry experts to ensure students learn the latest techniques and standards.

2. Experienced Faculty

- The institute boasts highly qualified instructors with extensive industry experience.

3. Practical Training Focus

- Heavy emphasis on hands-on learning with access to modern electrical labs and equipment.

4. Placement Assistance

- The centre maintains strong ties with electrical contractors, construction firms, and industrial companies to facilitate job placements.

5. Affordable Fee Structure

- Competitive course fees with options for financial aid or scholarships.

6. Recognized Certification

- Certification from recognized bodies adds value to your resume and enhances job prospects.

Facilities and Infrastructure at Wireman Raj ITI Centre

A well-equipped training center can significantly impact learning outcomes. Wireman Raj ITI Centre offers:

- Modern electrical labs with latest wiring setups
- Smart classrooms for theoretical learning
- Tools and safety gear for practical sessions
- Workshop areas for real-world project simulations
- Library with relevant technical books and resources
- On-campus accommodation options for out-of-town students

Admission Process at Wireman Raj ITI Centre

Getting started at the institute involves a straightforward admission process:

- Submit the application form available online or at the campus
- Attend an entrance test or interview if required
- Complete the counseling session
- Pay the course fee and confirm enrollment

Eligibility Criteria:

- Minimum educational qualification: 8th or 10th standard pass
- Age limit: Typically between 14 to 30 years
- Basic interest in electrical work and safety awareness

Career Opportunities After Completing Courses from Wireman Raj ITI Centre

Graduates from Wireman Raj ITI Centre open up a wide range of employment avenues, including:

1. Residential Electrician

- Installation and maintenance of electrical wiring in homes

2. Commercial Electrician

- Working on wiring and electrical systems in offices, malls, and hospitals

3. Industrial Electrician

- Handling complex electrical systems in factories and manufacturing units

4. Maintenance Technician

- Troubleshooting and repairing electrical faults in various settings

5. Self-Employment and Entrepreneurship

- Starting your own electrical contracting business

6. Further Education and Certifications

- Pursuing diploma or advanced technical courses for career progression

Industry Demand for Wiremen and Electricians

The electrical industry continues to expand with urbanization, infrastructure development, and technological advancements. The demand for skilled wiremen and electricians remains high across sectors such as construction, manufacturing, renewable energy, and smart home automation. According to industry reports, skilled electrical workers are among the most sought-after vocational professionals, with consistent employment opportunities and attractive salaries.

Skills Developed at Wireman Raj ITI Centre

Students enrolling at the institute gain a comprehensive skill set, including:

- Electrical wiring and circuit designing
- Reading and interpreting electrical diagrams
- Installation and maintenance of electrical appliances
- Understanding safety protocols and standards
- Troubleshooting electrical faults effectively
- Using hand and power tools safely and efficiently

- Knowledge of modern electrical systems like automation and smart wiring

Testimonials and Success Stories

Many alumni have credited Wireman Raj ITI Centre for providing them with the foundational skills and confidence to succeed professionally. Success stories include electricians working in reputed companies, entrepreneurs starting their own electrical services, and those pursuing further technical education.

How to Contact Wireman Raj ITI Centre

For admissions, inquiries, or further information, prospective students can reach out via:

- Phone: [Insert contact number]
- Email: [Insert email address]
- Website: [Insert website URL]
- Address: [Insert physical address]

Most centers also offer online registration facilities, making it convenient for students from different regions to apply.

Conclusion

Wireman Raj ITI Centre stands as a premier institute dedicated to empowering individuals with essential electrical skills through quality training and certification. In a rapidly growing industry, acquiring skills from a reputable center like Wireman Raj ITI Centre can significantly enhance your career prospects, ensure job security, and open avenues for entrepreneurship. With its industry-aligned curriculum, experienced faculty, modern facilities, and focus on practical learning, the institute is an ideal choice for aspiring electricians and wiremen aiming for professional excellence. Invest in your future today by enrolling at Wireman Raj ITI Centre and take the first step towards a rewarding career in electrical trades.

Wireman Raj ITI Centre: Your Premier Destination for Quality Electrical Training

When it comes to acquiring comprehensive electrical skills and ensuring a solid foundation in wiring and electronics, Wireman Raj ITI Centre stands out as a leading institution that combines expertise, practical training, and industry relevance. Established with a vision to empower aspiring electricians and technicians, this centre has earned a reputation for excellence in technical education, making it a top choice for students across the region.

Overview of Wireman Raj ITI Centre

Wireman Raj ITI Centre is a government-affiliated Industrial Training Institute (ITI) that specializes in electrical trades, particularly focusing on wireman courses. The centre is renowned for its commitment to producing skilled electricians equipped with both theoretical knowledge and hands-on experience.

Key Highlights:

- Recognized by the Directorate General of Training (DGT), Ministry of Skill Development and Entrepreneurship, Government of India.
- Offers comprehensive courses aligned with national standards such as the National Skill Qualification Framework (NSQF).
- Experienced faculty with industry backgrounds.
- State-of-the-art workshops and laboratories for practical learning.
- Placement support and industry connections to facilitate employment opportunities.

Course Offerings and Specializations

Wireman Raj ITI Centre primarily offers the following courses:

- Wireman Trade Course
 - Duration: Typically 2 years.
 - Focus: Electrical wiring, installation, maintenance, and troubleshooting.
 - Entry Requirements: Usually a minimum educational qualification of 8th or 10th standard.
 - Certification: Upon successful completion, students receive a National Trade Certificate (NTC) which is recognized across India.
- Electrician Trade Course
 - Duration: 1 year (with options for advanced specialization).
 - Focus: Installation, repair, and maintenance of electrical systems in residential, commercial, and industrial setups.

- Advanced Electrical Courses

- For students seeking specialization in areas such as automation, industrial wiring, and renewable energy systems.

- Short-term Skill Development Programs

- Focused workshops on topics like residential wiring, smart home automation, and electrical safety.

Curriculum and Training Methodology

Wireman Raj ITI Centre emphasizes a balanced curriculum that combines theoretical knowledge with extensive practical training. This approach ensures students are industry-ready upon completion.

Theoretical Instruction:

- Fundamental electrical concepts: Ohm's law, circuit analysis, and electrical components.
- Safety standards and regulations: Electrical safety codes, PPE usage, and compliance.
- Advanced topics: Automation systems, PLC programming, and energy management.

Practical Training:

- Hands-on experience with wiring and circuit assembly.
- Use of modern tools and equipment: Multimeters, oscilloscopes, wire strippers, and more.
- Real-world projects: Installation of wiring in mock residential and commercial setups.
- Troubleshooting exercises: Diagnosing faults in electrical systems.

Teaching Methodology:

- Classroom lectures complemented by practical workshops.
- Industry visits and site training to understand real-world applications.
- Regular assessments and project work.
- Emphasis on safety protocols and best practices.

Facilities and Infrastructure

A significant factor contributing to the centre's reputation is its modern infrastructure designed to facilitate effective learning.

Workshop and Laboratory Facilities:

- Well-equipped electrical labs with up-to-date tools.
- Dedicated wiring stations for hands-on exercises.
- Simulation rooms for virtual troubleshooting.

Classrooms:

- Spacious and ventilated classrooms with multimedia aids.
- Access to digital resources and e-learning modules.

Additional Amenities:

- Student accommodation options nearby.
- Library with technical books, manuals, and journals.
- Computer labs for CAD design and electrical simulations.

Faculty and Industry Expertise

The success of Wireman Raj ITI Centre heavily relies on its qualified faculty, who bring industry experience into the classroom.

- Instructors with backgrounds in electrical engineering and industrial training.
- Regular participation in workshops, seminars, and industry certifications.
- Focus on mentorship and personalized guidance for students.

This blend of academic knowledge and practical exposure ensures that students develop a holistic understanding of electrical systems.

Industry Connections and Placement Support

Wireman Raj ITI Centre maintains strong ties with industry partners, electrical contractors, and

manufacturing units to facilitate seamless placement for graduates.

Placement Services:

- Career counseling sessions.
- Assistance in resume building and interview preparation.
- On-campus recruitment drives with reputed companies.
- Internships and apprentice opportunities.

Industry Exposure:

- Site visits to construction sites, power plants, and manufacturing units.
- Guest lectures by industry experts.
- Participation in technical fairs and exhibitions.

These initiatives significantly enhance employability and entrepreneurship prospects for students.

Why Choose Wireman Raj ITI Centre?

Wireman Raj ITI Centre offers a unique value proposition that sets it apart from other training institutes:

- Industry-Ready Curriculum: Courses aligned with current industry standards ensure students are job-ready.
- Practical Emphasis: Extensive hands-on training prepares students for real-world challenges.
- Experienced Faculty: Industry-experienced trainers foster quality education.
- Modern Infrastructure: State-of-the-art labs and workshops.
- Placement Assistance: Strong industry connections lead to promising employment opportunities.
- Affordable Fees: Competitive fee structure with quality education.
- Recognition and Certification: Accredited by national regulatory bodies, ensuring credibility.

Student Success Stories and Testimonials

Many students who have trained at Wireman Raj ITI Centre have gone on to secure positions in reputed electrical firms, construction companies, and government agencies. Testimonials highlight the centre's role in:

- Boosting confidence with practical skills.
- Providing clear pathways to employment.
- Supporting entrepreneurship in electrical services.

Conclusion: A Trusted Name in Electrical Training

Wireman Raj ITI Centre stands as a beacon of quality technical education for aspiring electricians and technicians. Its comprehensive courses, experienced faculty, industry-oriented training, and excellent infrastructure make it an ideal choice for anyone looking to build a career in the electrical field.

Whether you are a fresh student, a working professional seeking upskilling, or an entrepreneur aiming to start an electrical business, Wireman Raj ITI Centre offers the tools, knowledge, and opportunities to succeed. Enrolling here is not just about gaining a certification; it's about stepping into a future of professional excellence and industry recognition.

Embark on your electrical journey with Wireman Raj ITI Centre where skills meet opportunity!

Question What courses are offered at Wireman Raj ITI Centre? Wireman Raj ITI Centre offers courses such as Electrician, Wireman, and other vocational training programs focused on electrical and technical trades. **Answer** How can I enroll in courses at Wireman Raj ITI Centre? Interested candidates can apply by visiting the official Wireman Raj ITI Centre website or contacting the center directly for admission procedures and eligibility criteria. What is the duration of the electrician course at Wireman Raj ITI Centre? The electrician course at Wireman Raj ITI Centre typically lasts 1 year, including practical and theoretical training components. Are there any recent success stories from students at Wireman Raj ITI Centre? Yes, several students have successfully completed their training and secured jobs in electrical and technical fields, with many earning certifications recognized across the industry. What are the fees structure and financial aid options at Wireman Raj ITI Centre? The fees vary depending on the course. The centre sometimes offers discounts or financial aid options for eligible students. It's best to contact the centre directly for detailed fee information. Does Wireman Raj ITI Centre offer placement assistance? Yes, the centre provides placement assistance by connecting students with reputed companies and guiding them through the job placement process. What are the eligibility criteria to join Wireman Raj ITI Centre? Candidates should typically have completed their high school education or equivalent. Specific eligibility may vary by course, so it's advisable to check the centre's admission guidelines.

Related keywords: wireman, raj iti centre, electrical training, iti courses, electrical technician, wireman certification, electrician training, vocational courses, electrical diploma, iti institute

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