



NATIONAL ELECTROLOGY
WRITTEN EXAMINATION

CANDIDATE INFORMATION BULLETIN

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The National Electrology examination is the national licensure examination for Electrologists, which is developed and administered by the National-Interstate Council of State Boards of Cosmetology (NIC). This Candidate Information Bulletin includes the content outline covered by the NIC National Electrology examination. The time allowed for the Electrology written examination is 90 minutes.

HYGIENE
5%

Personal Hygiene

- ◇ Grooming
- ◇ Hand sanitizing

Public Hygiene (Disease Control)

- ◇ Types of diseases
- ◇ Protection (Barriers to disease)
 - Gloves
 - Drapes
 - Masks

SCIENTIFIC CONCEPTS
45%

Infection Control

- ◇ Disease
 - Growth & reproduction
 - Infection transmission
- ◇ Infection control procedures
 - Methodology
 - Chemical agents
- ◇ Sterilization procedures
 - Moist heat
 - Dry heat
 - Chemical
- ◇ Infection control
 - OSHA standards
 - NIC standards
 - CDC standards
- ◇ Safety procedures
 - Blood spill
 - Chemicals

Basic Electricity

- ◇ Types
 - Direct current
 - Alternating current
- ◇ Terminology
- ◇ Modalities
 - Electrolysis

- Thermolysis
- Blend

Basic Chemistry

- ◇ Galvanic action
- ◇ Organic vs. Inorganic
- ◇ pH factor

Human Physiology

- ◇ Endocrine system
- ◇ Circulatory system
- ◇ Nervous system
- ◇ Histology of skin
 - Structure
 - Functions
 - Disorders
- ◇ Histology of hair
 - Structure
 - Types
 - Hair growth cycles
 - Excessive hair growth

HAIR REMOVAL
50%

Consulting & Record Keeping

- ◇ Confidentiality
- ◇ Client record
 - Medical history
 - Contraindications

Safety

- ◇ Treatment room preparation
- ◇ Insurance
 - Liability
 - Malpractice
- ◇ Equipment & supplies
 - Grounded plugs
 - Equipment instructions
 - Testing & calibration
 - Needles
 - FCC approval
- ◇ Sterilization
- ◇ Sanitation
- ◇ Disinfection
 - Equipment
 - Supplies

- ◇ Client
 - Use of draping
 - Eye protection

Electrolysis

- ◇ Reason for use
- ◇ Effects of electrolysis
- ◇ Procedure
 - Positioning
 - Analysis of client needs
 - Insertion of needle
 - Reanalysis & adjustments
 - Post treatment
- ◇ Equipment & supplies
 - Polarity
 - Conductivity

Thermolysis

- ◇ Types
 - Manual
 - Automatic
- ◇ Reason for use
- ◇ Effects of thermolysis
- ◇ Procedure
 - Positioning
 - Analysis of client needs
 - Insertion of needle
 - Reanalysis & adjustments
 - Post treatment

Blend

- ◇ Types
 - Manual
 - Automatic
- ◇ Reason for use
- ◇ Effects of blend
- ◇ Procedure
 - Positioning
 - Analysis of client needs
 - Insertion of needle
 - Reanalysis & adjustments
 - Post treatment

- ◇ Equipment & supplies
 - Polarity
 - Conductivity

Temporary Hair Removal

- ◇ Effects of physical
 - Shaving
 - Tweezing
- ◇ Effects of chemical

ELECTROLOGY REFERENCES

Electrolysis, Thermolysis, and the Blend
The Principles and Practices of Permanent Hair Removal, 9th ed., 1994

Arroway Publishing

Modern Electrology: Excess Hair, Its Causes and Treatments, 1987

Milady
5 Maxwell Drive
Clifton Park, NY 12065
(800) 730-2214
www.Milady.com

Cosmetic and Medical Electrolysis and Temporary Hair Removal
A Practice Manual and Reference Guide, 2nd Ed., 1997
Medric Ltd.
Toronto, Ontario
(416) 590-9842

Infection Control Standards for the Practice of Electrology
American Electrology Association

NIC Health and Safety Standards
NIC, Inc., October 2002
www.nicesting.org