



NATIONAL ELECTROLOGY
WRITTEN EXAMINATION

CANDIDATE INFORMATION BULLETIN

Please visit www.nicesting.org for the most current bulletin prior to testing.

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.

SCIENTIFIC CONCEPTS 65%	Human Physiology and Anatomy <ul style="list-style-type: none"> ◇ Cells ◇ Tissues ◇ Organs ◇ Systems and their functions ◇ Understand skin histology <ul style="list-style-type: none"> • Layers of the skin • Structures of the skin • Functions of the skin ◇ Diseases and disorders of the skin <ul style="list-style-type: none"> • Primary lesions • Secondary lesions • Sebaceous disorders • Sudoriferous disorders • Pigmentation • Inflammation • Hypertrophies ◇ Hair and its growth cycle <ul style="list-style-type: none"> • Hair structure • Hair types • Hair growth cycles • Regrowth • Excessive hair growth 	Client Record Keeping <ul style="list-style-type: none"> ◇ Medical history <ul style="list-style-type: none"> • Conditions • Contraindications • Medications ◇ Record of treatment <ul style="list-style-type: none"> • Modality used • Machine settings • Treatment area • Size and type of needle/probe • Products used 	SAMPLE QUESTIONS
Infection Control <ul style="list-style-type: none"> ◇ Microbiology <ul style="list-style-type: none"> • Bacteria • Viruses • Fungi • Parasites ◇ Methods of infection control <ul style="list-style-type: none"> • Heat • Chemical agents • Ultraviolet ◇ Levels of infection control <ul style="list-style-type: none"> • Sanitation • Disinfection • Sterilization ◇ Safety procedures <ul style="list-style-type: none"> • Center for Disease Control (CDC) • OSHA standards • Chemicals (labeling, mixing, storage) 	SERVICES 35%	Safe Practices <ul style="list-style-type: none"> ◇ Equipment & supplies <ul style="list-style-type: none"> • Equipment operation and maintenance • Safety procedures • Types of machines • Use and care of needles/probes • Disposable supplies ◇ Client Protection <ul style="list-style-type: none"> • Draping procedures • Eye protection • Maltreatment ◇ Positioning <ul style="list-style-type: none"> • Client • Electrologist ◇ Selection of needle or probe <ul style="list-style-type: none"> • Skin type • Hair type ◇ Insertion of needle/probe <ul style="list-style-type: none"> • Angle • Depth 	<p>The following sample questions are similar to those on the NIC Electrology Written Examination. Each question is followed by four answer choices. Only one choice is correct. Correct answers are listed following the sample questions.</p> <ol style="list-style-type: none"> 1. Disease producing bacteria are called <ol style="list-style-type: none"> a. hyperemia. b. pathogenic. c. hypo-allergenic. d. non-pathogenic. 2. Which of the following would result in the GREATEST production of lye? <ol style="list-style-type: none"> a. Increase both current and time b. Decrease both current and time c. Increase current and decrease time d. Decrease current and increase time 3. Hair grows from the papilla by multiplication of the <ol style="list-style-type: none"> a. matrix cells. b. stratum lucidum. c. papillary layer. d. reticular region. 4. What temporary method of hair removal accelerates the shedding of the horny layer of the skin? <ol style="list-style-type: none"> a. Bleaching b. Depilatory c. Threading d. Clipping
Basic Concepts of Electricity <ul style="list-style-type: none"> ◇ Characteristics of electricity and electrical measurement ◇ Types <ul style="list-style-type: none"> • Direct currents • Alternating currents ◇ Modalities of Electrolysis <ul style="list-style-type: none"> • Galvanic • Thermolysis • Blend 	Consultation <ul style="list-style-type: none"> ◇ Confidentiality ◇ Previous treatments ◇ Explanation of treatment <ul style="list-style-type: none"> • Possible effects from treatment • Expected result of treatment • Grounded plugs ◇ Effects of temporary hair removal <ul style="list-style-type: none"> • Physical • Chemical (i.e. depilatory) ◇ After-care/home care 	Treatment Selection <ul style="list-style-type: none"> ◇ Electrolysis ◇ Thermolysis ◇ Blend 	
Basic Chemistry <ul style="list-style-type: none"> ◇ Organic and inorganic matter ◇ Elements, compounds, and mixtures ◇ Acidity/alkalinity (pH) ◇ Effect of galvanic action 			

5. Electrolysis is recognized as the only proven method of permanent hair removal by the
- a. Environmental Protection Agency (EPA).
 - b. Food and Drug Administration (FDA).
 - c. Centers for Disease Control (CDC).
 - d. Occupational Safety and Health Administration (OSHA)

Answers	
1. b	4. b
2. a	5. b
3. a	



ARKANSAS DEPARTMENT OF HEALTH COSMETOLOGY SECTION

COSMETOLOGY WRITTEN EXAMINATION INFORMATION

SCHEDULING PROCEDURES

The Arkansas Department of Health Cosmetology Section has contracted with PSI to provide examination services. The Department, through PSI, will exclusively use the National-Interstate Council of State Boards of Cosmetology (NIC) examinations.

You must apply with the Department to become eligible to take the examination.

To access the application, please contact the Department.

Arkansas Department of Health Cosmetology Section
4815 West Markham, Slot 8
Little Rock, AR 72205
Telephone #: (501) 682-2168
www.arkansas.gov/cos/

Once you have been approved by the Department, it is your responsibility to contact PSI to schedule for the examination.

Examination Fee	\$60
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- The fee is for each examination, whether you are taking the examination for the first time or repeating.
- Exam fees are paid directly to PSI; do not send exam fees to the Department.
- Exam fees are non-refundable, non-transferrable.
- Your eligibility will be valid for one year. If you fail, you may retest unlimited during the one year period.

INTERNET REGISTRATION

For the fastest and most convenient test scheduling process, PSI recommends that candidates register for their exams using the Internet. Candidates register online by accessing PSI's registration website at www.psiexams.com. Internet registration is available 24 hours a day. In order to register by Internet, complete the steps below:

1. Log onto PSI's website, select the link associated with the Arkansas examinations. Complete the associated registration form online and submit your information to PSI via the Internet.

2. Upon completion of the online registration form, you will be given the available exam dates and locations for scheduling your examination. Select your desired testing date and location.

TELEPHONE REGISTRATION

PSI registrars are available at (800) 733-9267, during business hours as follows:

	Monday-Friday	Saturday-Sunday
Eastern Time	7:30am - 10:00pm	9:00am - 5:30pm
Central Time	6:30am - 9:00pm	8:00am - 4:30pm
Mountain Time	5:30am - 8:00pm	7:00am - 3:30pm
Pacific Time	4:30am - 7:00pm	6:00am - 2:30pm

CANCELING AN EXAMINATION APPOINTMENT

You may cancel and reschedule an examination appointment without forfeiting your fee if your *cancellation notice is received 2 days before the scheduled examination date*. You may call PSI at (800) 733-9267 or fax a note to (702) 932-2666.

Note: A voice mail message is not an acceptable form of cancellation. Please use the PSI Website or call PSI and speak directly to a Customer Service Representative.

MISSED APPOINTMENT OR LATE CANCELLATION

Your registration will be invalid, you will not be able to take the examination as scheduled, and you will forfeit your examination fee, if you:

- Do not cancel your appointment 2 days before the schedule examination date;
- Do not appear for your examination appointment;
- Arrive after examination start time;
- Do not present proper identification when you arrive for the examination.

EXAM ACCOMMODATIONS

All examination centers are equipped to provide access in accordance with the Americans with Disabilities Act (ADA) of 1990, and exam accommodations will be made in meeting a candidate's needs. Applicants with disabilities or those who would otherwise have difficulty taking the examination must contact Arkansas Department of Health Cosmetology Section for approval.



EXAMINATION SITE CLOSING FOR AN EMERGENCY

In the event that severe weather or another emergency forces the closure of an examination site on a scheduled examination date, your examination will be rescheduled. PSI personnel will attempt to contact you in this situation. However, you may check the status of your examination schedule by calling (800) 733-9267. Every effort will be made to reschedule your examination at a convenient time as soon as possible.

COMPUTER EXAMINATION CENTER LOCATIONS

The licensing examinations are administered at the following PSI examination center.

Bentonville

Summit Aviation
2500 SW Aviation Street
Bentonville, AR 72712
I-540 to exit 85. Take ramp right for US-71 BR/ AR-12 toward Rogers/Airport/Bentonville. Turn left onto US-71 / AR-12/W Walnut St. (Conoco on the corner). Keep right to stay on US-71. Turn left onto SW Airport Rd, bearing right onto SW Aviation Drive.

Fayetteville

Sky Venture Aviation Inc
4500 S School Ave Suite C
Fayetteville, AR 72701
Take I 540 S to US 71S via exit ramp. Exit 61. Merge onto US 71S toward going toward School Ave. At stop light merge Right onto S. School Ave (also US71B). Approximately 1.8 miles to Drake Field Airport. Turn Left into entrance. SkyVenture Aviation entrance is first entrance with double sliding glass doors.

Harrison

North Arkansas College
1515 Pioneer Dr
Harrison, AR 72601
Take I-65 to exit AR-123 then take the 1st right onto Pioneer Drive. The college will be on the right.

Jonesboro

SkyVenture Aviation of Arkansas Inc.
3901 Lindbergh Drive Suite D
Jonesboro, AR 72401
From the South: North on US 67, AR 14 to Jonesboro, Left on North US 40 and exit on Stadium Blvd. Go North on US 49, then right on Nettleton. Go left on Airport, then right on Lindbergh.

North Little Rock

Barrett Aviation, Inc.
8318 Remount Road
North Little Rock, Arkansas 72118
Take I40 East to North Little Rock. Take Levy Exit (#152). Go left under the overpass. Go Right at next lights. Go to 2nd light (Camp Robinson Road). Go Left on Camp Robinson Road. Go approx 3 mi and road will fork again onto Remount Road. Veer Right onto Remount. Go approx 1.5 mi to West entrance to NLR Airport. Turn Right into airport. Barrett Aviation is on the left at the end of drive.

Additionally, PSI has examination centers in many other regions across the United States. You may take the written examination at any of these locations by calling (800) 733-9267. You will need to speak with a Customer Service Rep to schedule outside of the state.

REPORTING TO THE EXAMINATION CENTER

On the day of the examination, you should arrive at least 30 minutes before your appointment. This extra time is for identification and familiarizing yourself with the examination process. **If you arrive late, you may not be admitted to the examination center and you will forfeit your registration fee.**

REQUIRED IDENTIFICATION

- You must present one form of valid non-expired government issued identification with a photograph and your signature (i.e. driver's license, state identification card or passport) in order to be admitted to the examination room at PSI.

SECURITY PROCEDURES

- Candidates may take only approved items into the examination room.
- All personal belongings of candidates, with the exception of close-fitting jackets or sweatshirts, should be placed in the secure storage provided at each site prior to entering the examination room. Personal belongings **include, but are not limited to**, the following items:
 - **Electronic devices of any type**(except those that are a medical necessity), including cellular / mobile phones, recording devices, electronic watches, cameras, pagers, laptop computers, tablet computers (e.g., iPads), music players (e.g., iPods), smart watches, radios, or electronic games.
 - **Bulky or loose clothing or coats** that could be used to conceal recording devices or notes, including coats, shawls, hooded clothing, heavy jackets, or overcoats.
 - **Hats or headgear not worn for religious reasons** or as religious apparel, including hats, baseball caps, or visors.
 - **Other personal items**, including purses, notebooks, reference or reading material, briefcases, backpacks, wallets, pens, pencils, other writing devices, food, drinks, and good luck items.
- Person(s) accompanying an examination candidate may not wait in the examination center, inside the building or on the building's property. This applies to guests of any nature, including drivers, children, friends, family, colleagues or instructors.
- No smoking, eating, or drinking is allowed in the examination center.
- During the check in process, all candidates will be asked if they possess any prohibited items. Candidates may also be asked to empty their pockets and turn them out for the proctor to ensure they are empty. The proctor may also ask candidates to lift up the ends of their sleeves



and the bottoms of their pant legs to ensure that notes or recording devices are not being hidden there.

- Proctors will also carefully inspect eyeglass frames, tie tacks, or any other apparel that could be used to harbor a recording device. Proctors will ask to inspect any such items in candidates' pockets.
- If prohibited items are found during check-in, candidates shall put them in the provided secure storage or return these items to their vehicle. PSI will not be responsible for the security of any personal belongings or prohibited items.
- Any candidate possessing prohibited items in the examination room shall immediately have his or her test results invalidated, and PSI shall notify the examination sponsor of the occurrence.
- Any candidate seen giving or receiving assistance on an examination, found with unauthorized materials, or who violates any security regulations will be asked to surrender all examination materials and to leave the examination center. All such instances will be reported to the examination sponsor.
- Copying or communicating examination content is violation of a candidate's contract with PSI, and federal and state law. Either may result in the disqualification of examination results and may lead to legal action.
- Once candidates have been seated and the examination begins, they may leave the examination room only to use the restroom, and only after obtaining permission from the proctor. Candidate will not receive extra time to complete the examination.



One question appears on the screen at a time. During the examination, minutes remaining will be displayed at the top of the screen and updated as you record your answers.

IMPORTANT: After you have entered your responses, you will later be able to return to any question(s) and change your response, provided the examination time has not run out.



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TAKING THE EXAMINATION BY COMPUTER

TAKING THE EXAMINATION BY COMPUTER

The examination will be administered via computer. You will be using a mouse and computer keyboard.

IDENTIFICATION SCREEN

You will be directed to a semiprivate testing station to take the examination. When you are seated at the testing station, you will be prompted to confirm your name, identification number, and the examination for which you are registered.

TUTORIAL

Before you start your examination, an introductory tutorial is provided on the computer screen. The time you spend on this tutorial, up to 15 minutes, DOES NOT count as part of your examination time. Sample questions are included following the tutorial so that you may practice answering questions, and reviewing your answers.

TEST QUESTION SCREEN

The "function bar" at the top of the test question screen provides mouse-click access to the features available while taking the examination.

PRETEST ITEMS

In addition to the number of examination items specified in the "Examination Content Outlines", a small number (5 to 10) of "pretest" questions may be administered to candidates during the examinations. These questions will not be scored and the time taken to answer them will not count against examination time. The administration of such unscored, experimental questions is an essential step in developing future licensing examinations.

EXAMINATION REVIEW

The Arkansas Department of Health Cosmetology Section is utilizing the NIC examinations. NIC conducts ongoing analysis and review of their examinations to ensure the examinations accurately measure minimal competency in the required knowledge area.



SCORE REPORTING

Your score will be given to you immediately following completion of the examination. This is an unofficial score report that will be printed at the examination site.

NATIONAL COSMETOLOGY WRITTEN EXAMINATION CONTENT OUTLINE AND REFERENCE MATERIAL

The National Cosmetology examination is the national licensure examination for Cosmetology, which is developed and administered by the National-Interstate Council of State Boards of Cosmetology (NIC). For more information on the examination content outlines and references go to www.nicesting.org.



