Candidate Study Guide for the Illinois
Emergency Medical Technician Intermediate (EMT-I)
Licensure Examination

The following information is intended to help you prepare for the Illinois Emergency Medical Technician-(EMT) Licensure Examination. Part I of this study guide contains general information about the profession and testing procedures. Part II provides a content outline, lists the competencies covered in the examination, and identifies reference materials that support this examination. Part III includes sample questions to help you prepare for this test.

Part I  General Information

PURPOSE OF THE EXAMINATION
This examination has been developed in collaboration with Illinois Department of Public Health (IDPH) and representatives of the 11 Illinois Emergency Medical Service regions. EMT licensure is granted only to candidates who demonstrate sufficient knowledge of the U.S. Department of Transportation National Standard Curriculum for EMT as approved by IDPH.

TEST VALIDITY
The time limit for this examination is 2½ hours. This examination has been developed to meet strict standards of test fairness and validity to protect the health and safety of the public.

PHOTO ID
Each candidate must present a current and valid photo ID to be admitted to any of these examinations. Only a valid Driver’s License, Secretary of State ID card, consulate ID or current passport is acceptable as photographic identification. If the name on the photo ID does not match the name on the scheduled appointment, proof of legal name change also must be presented before the candidate can be admitted to an examination.

SPECIAL ACCOMMODATIONS
Any candidate who needs special accommodations in test-taking procedures because of a disabling condition must communicate that need in writing with his or her application. No accommodations can be arranged on the day of a test.

SCORING THE EXAMINATION
Candidates who pass this examination will receive their license as an EMT from the Illinois Department of Public Health.

MISSING AN EXAMINATION
There are no "make-up" examinations. You may re-register when you receive your score report from CTS stating “consent” and pay any additional required fees.

RE-EXAMINATION
Candidates who fail the test receive information to help them identify content areas on which they need to improve their performance to pass on a subsequent attempt. Candidates must register to take the test again through the resource hospital associated with their EMT training program.

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SCHEDULING After CTS approves your application, you must schedule a test date **within 90 days** at one of the approved PSI Test Centers. You may do so by using PSI’s online system at [www.psiexams.com](http://www.psiexams.com) or by calling PSI at 1-800-733-9267. All regular testing appointments must be scheduled at least two business days prior to the desired test date. You must reapply and pay a new test fee if you do not test within the 90-day window.

Testing locations are subject to change.

PSI Test Centers in Chicago and Springfield plus centers in Carbondale, Champaign, East Peoria, Evansville, IN, Galesburg, and Glen Ellyn are proctored onsite. The remaining locations use remotely proctored testing stations that monitor candidates with three digital cameras, an on-screen chat window and a microphone. Proctors in these locations communicate with candidates on-screen during the test and pause the exam whenever unauthorized persons or activity appear on any of the three video recordings or in audio picked up by built-in sensitive microphones. The proctor will pause the exam whenever a candidate leaves the testing station or an interruption occurs. If the reason for the interruption is not confirmed as an emergency, the test will end. All other rules are the same for examinations in on-site proctored and remotely proctored locations. Each test remotely proctored station also is equipped with noise-cancelling headphones to help candidates screen out distractions if they wish to use them.

Directions and other information about each test location appear later in this study guide and are available on the PSI website.
Instructions for scheduling a test using PSI’s 800 number

PSI provides an automated system to schedule your test via the telephone without having to speak with a Customer Service Registrar.

1. Call 800-733-9267, then Press 5
2. Stay on the line until the you hear the system begin (about 30 seconds)
3. You will be asked what you want to do: schedule, confirm, or retake a test
4. You will be asked if you know your ID# (this is your social security number)
5. The system will find your record and confirm the first few letters of your last name
6. The system will confirm the test
7. You will be asked what you want to do: schedule or request a bulletin
8. The system will use your zip code to find the closest test center
9. You will be given the closest test center
10. You will be given the available dates and times when you could take the test
11. You will select the date and time and the system will schedule you
12. You will be emailed a confirmation including the date and time of your testing appointment; the email includes directions to the PSI Test Center

If you prefer to speak to a Customer Service Registrar, they are available Monday through Friday, between 6:30 am and 7:00 pm and Saturday, between 10:00 am and 4:00 pm, Central Time.
• Call 800-733-9267, Select 5, then select * (star).

Instructions for scheduling a test online at www.psiexams.com


   - **New Users**
     - You can:
       » Create an account
       » Register for an examination
       » Schedule an examination

   - **Returning Users**
     - Sign in
       - Email Address:
       - Password:
       - Start in:
         - [Home page]
       - Remember me
         - [Sign in] [Clear]
         - [Forgot Password?]
         - [Update email address]
     - If you do not have an account, please click the below link:
       - [Create an Account]

If you are a new user at PSI, click on “Create an Account”.

If you have already created an account in the PSI system, type in your email address and password.

**VERY IMPORTANT STEP** You must enter your email address, your password and the spelling of your name in these screens EXACTLY as you have submitted them on your application to CTS because that is what CTS sent to PSI.

• A PSI staff member will answer to help you schedule your CTS exam.
2. If you already have an account in the PSI system, check the box “Check here to attempt to locate existing records for you in the system”.

3. Complete the following steps as shown below.

Select Government/State Licensing Agencies under Select Organization.

Select Illinois in Select Jurisdiction.

Select IL Department of Public Health in the box marked Select Account.

Enter your Social Security Number.

Click on Submit.
4. You are now ready to schedule. Click on Schedule for a test.

5. Enter your zip code or the city where you live. Click on the Search button.

You will see a list of the testing sites, starting with the one that is closest to you. Select the Test center you prefer from the list, then click on Continue. If you want to select a center that is not shown, enter the name of the city or the zip code where that test center is located.
6. You will now see a list of available test dates and times based on your eligibility expiration date. Click on the date and time of your choice and select Schedule.

<table>
<thead>
<tr>
<th>Test Center</th>
<th>Available Date</th>
<th>Start Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHICAGO (ROOM A), Illinois</td>
<td>08/17/2013</td>
<td>8:30 AM</td>
</tr>
<tr>
<td>CHICAGO (ROOM A), Illinois</td>
<td>09/03/2013</td>
<td>12:30 PM</td>
</tr>
<tr>
<td>CHICAGO (ROOM A), Illinois</td>
<td>09/03/2013</td>
<td>3:00 PM</td>
</tr>
</tbody>
</table>

- If there are no dates available, please call 800-733-9267 for assistance.

7. A confirmation will appear that you can print by clicking on the Print Details button. This message also includes directions to the test center.

8. You also will receive an email from PSI to confirm the test center, date and time you have selected to take your test.
PSI CONFIRMS
BY EMAIL
PSI sends each candidate an email to confirm the date and time of his/her testing appointment; the email includes directions to the PSI Test Center.

RESCHEDULING
A testing appointment may be rescheduled up to two business days before the scheduled test date. Candidates who fail this examination must reapply after complying with the requirements for retesting based on the number of their prior attempts.

MISSING AN
APPOINTMENT
Candidates who miss a testing appointment forfeit all fees and must reapply before they are eligible to schedule a new test date.

TEST SCORES
Candidates at on-site proctored test centers will receive an unofficial score report before they leave the PSI Test Center. Candidates in all other test centers will see their results on-screen at the end of the test. *None of these score reports can be used to apply for a license or certificate. All candidates will receive their official score reports from CTS by mail after their test date.* Candidates who pass will receive an application to apply for licensure with their CTS score report. Candidates who fail will receive a diagnostic report in their CTS score report indicating content areas in which they need to improve their scores.
MAPS TO PSI TEST CENTERS WITH ON-SITE PROCTORING

A larger version each map is available on the PSI website under Information Links.

PSI Test Center, Chicago

PSI Test Center, Springfield

College of DuPage, Glen Ellyn
Illinois Central College, East Peoria

Test Center is Room L220 in the Library & Administration Building

Ivy Technical Community College
3501 N. 1st Avenue, Evansville, IN

Testing is in the Workforce Certification & Assessment Center
Parkland College, Champaign

Assessment Center
Room A209
The Assessment Center is located on the second floor of the A wing. Follow signs to Admissions and Records and take the stair case to the second floor. Questions? Call 217/551-2832.

Carl Sandburg College, Galesburg

Southern Illinois University—Carbondale
900 South Normal Avenue
Woody Hall, Testing Services, B-228 or B-230

SIU-Carbondale
# DIRECTIONS TO REMOTELY PROCTORED TEST LOCATIONS

These test center locations are subject to change. Check the PSI website for current details.

<table>
<thead>
<tr>
<th>LOCATION</th>
<th>DIRECTIONS</th>
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</thead>
<tbody>
<tr>
<td><strong>Advanced Medical Transport Peoria</strong>&lt;br&gt;1718 North Sterling Avenue</td>
<td>Advanced Medical Transport is located just south of Nebraska Avenue on Sterling Avenue in Peoria. A receptionist will direct candidates to the testing station.</td>
</tr>
<tr>
<td><strong>Chicago State University</strong>&lt;br&gt;9501 S. Martin Luther King Drive&lt;br/Library Building, 2&lt;sup&gt;nd&lt;/sup&gt; Floor, Room 201&lt;br/Chicago, IL</td>
<td>Chicago State University is located at 9501 South Martin Luther King Drive in Chicago. Testing is on 2&lt;sup&gt;nd&lt;/sup&gt; floor of new Library building in Room 201. Parking on campus for $5. Nearest CTS Station: 0.6 miles from 95&lt;sup&gt;th&lt;/sup&gt; Street Station on Red Line, with numerous bus routes to campus.</td>
</tr>
<tr>
<td><strong>College of DuPage – Carol Stream Center</strong>, 500 North Kuhn Road</td>
<td>The College of DuPage Carol Stream Center is located north of North Avenue and south of Lies Road.</td>
</tr>
<tr>
<td><strong>College of DuPage – Westmont</strong>&lt;br&gt;650 Pasquenelli Drive&lt;br/Westmont, IL</td>
<td>Enter the College of DuPage Westmont Center by turning north onto Pasquenelli Drive off Ogden. Center entrance is immediately north of the bank.</td>
</tr>
<tr>
<td><strong>College of DuPage – Naperville Regional Center</strong>&lt;br&gt;1233 Richert Drive&lt;br/Naperville, IL</td>
<td>The College of DuPage Naperville Regional Center is on Rickert Drive. Turn north onto Rickert Drive from 75&lt;sup&gt;th&lt;/sup&gt; Street two miles west of Washington Street. From Route 59, drive east on 75&lt;sup&gt;th&lt;/sup&gt; Street to Richert.</td>
</tr>
<tr>
<td><strong>College of Lake County – Grayslake</strong>&lt;br&gt;19351 West Washington Street</td>
<td>The Testing Center is in the main library on the first floor of the Grayslake campus.</td>
</tr>
<tr>
<td><strong>College of Lake County – Waukegan</strong>&lt;br&gt;33 N. Genessee Street&lt;br/Second Floor, Room N203</td>
<td>Take Belvidere (Route 120), Grand or Washington east to Genessee Street. The CLC Lakeshore Campus is on Genesee north of Washington and west of Sheridan Road.</td>
</tr>
<tr>
<td><strong>F&amp;R Services, Ferguson, MO</strong>&lt;br&gt;119 Church, Suite #223</td>
<td>Exit I-70 to Florissant Road in Cool Valley. Follow Florissant Road to Church Street in Ferguson.</td>
</tr>
<tr>
<td><strong>Global Knowledge – Schaumburg</strong>&lt;br&gt;1500 McConnor Parkway, Suite 500</td>
<td>McConnor Parkway is located north of Woodfield Mall between Golf Road and I-90 east of Meacham Road.</td>
</tr>
<tr>
<td><strong>Harper College Professional Center, Schaumburg</strong>&lt;br&gt;650 East Higgins Road, Suite 9S</td>
<td>Harper Professional Center is located just west of Plum Grove Road on Higgins Road. Woodfield Mall is about two miles northeast of the Harper Professional Center at Golf and Meacham Roads.</td>
</tr>
<tr>
<td><strong>Illinois State University – Normal</strong>&lt;br&gt;<strong>Fell Hall 396</strong>&lt;br&gt;100 North University Street</td>
<td>The kiosk is in testing center in Fell Hall 396. Take the elevators or stairs to the third floor. University College Testing Services is on the left. A receptionist will escort the candidate to the kiosk.</td>
</tr>
<tr>
<td>College Name</td>
<td>Location</td>
</tr>
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</tr>
<tr>
<td><strong>Joliet Junior College – Joliet</strong></td>
<td>1215 Houbolt Road</td>
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<tr>
<td></td>
<td>Academic Skills Center</td>
</tr>
<tr>
<td><strong>Joliet Junior College – Romeoville</strong></td>
<td>1125 West 135&lt;sup&gt;th&lt;/sup&gt; Street</td>
</tr>
<tr>
<td></td>
<td>Room NC-80</td>
</tr>
<tr>
<td><strong>Millennium Center, Rockford</strong></td>
<td>220 South Madison, Room 210</td>
</tr>
<tr>
<td></td>
<td>Rockford, IL</td>
</tr>
<tr>
<td><strong>New Horizons – St. Louis</strong></td>
<td>2122 Kratky Road, Suite 200</td>
</tr>
<tr>
<td></td>
<td>(near Page Avenue &amp; Lindbergh Blvd.)</td>
</tr>
<tr>
<td><strong>Oakton College – Skokie</strong></td>
<td>7701 Lincoln Ave, Room A135</td>
</tr>
<tr>
<td><strong>Prairie State College – Chicago Heights</strong></td>
<td>202 S. Halsted Street</td>
</tr>
<tr>
<td></td>
<td>Adult Training and Outreach Center (ATOC), Room 146 Chicago Heights, IL</td>
</tr>
<tr>
<td><strong>Real Estate Institute – Niles</strong></td>
<td>6203 W. Howard Street</td>
</tr>
<tr>
<td><strong>Rend Lake College Marketplace Campus</strong></td>
<td>Mount Vernon 321 Potomac Blvd.</td>
</tr>
<tr>
<td><strong>South Suburban College</strong></td>
<td>16333 S. Kilbourn Avenue, Room 5130 Oak Forest, IL</td>
</tr>
</tbody>
</table>
This examination was developed in collaboration with a committee of representatives of the 11 Illinois Emergency Medical Service regions and staff from the Illinois Department of Public Health. Content areas on the test are outlined below. The examination reflects the U.S. Department of Transportation National Standard Curriculum for EMT-I as adapted and approved by the Illinois Department of Public Health.

### Emergency Medical Technician – Intermediate (EMT-I)

1. **Preparation and Professional Issues** (8 questions)
   - A. Introduction to emergency medical care and well-being of the EMT-I
   - B. Medical, legal & ethical issues
   - C. The human body

2. **Pharmacology, IV Therapy, Medication Administration** (8 questions)
   - A. Drug classifications, routes, actions, administration and security
   - B. Indications, equipment and principles for medication administration

3. **Airway Management and Ventilation** (9 questions)
   - A. Upper airway complications and management
   - B. Oxygen delivery devices, indications and contraindications
   - C. Airway maneuvers, intubation techniques and special considerations

4. **Patient Assessment** (17 questions)
   - A. Scene size-up and initial assessment
   - B. Transport decisions and patient history
   - C. Focused assessments and physical examinations
   - D. Ongoing assessments and clinical decision making
   - E. Communications and documentation

5. **Trauma** (33 questions)
   - A. Trauma systems and mechanism of injury
   - B. Hemorrhage and shock
   - C. Burns and soft tissue injuries
   - D. Thoracic trauma
   - F. Head and spine injuries
   - E. Injuries to the eye, face and neck
   - G. Abdominal and genitalia injuries
   - H. Musculoskeletal injuries
6. **Medical Emergencies**  
   (49 questions)  
   A. Respiratory emergencies  
   B. Cardiovascular emergencies  
   C. Diabetic emergencies  
   D. Allergic reactions and envenomations  
   E. Poisonings and overdose emergencies  
   F. Neurological emergencies  
   G. Nontraumatic abdominal emergencies  
   H. Environmental emergencies  
   I. Behavioral emergencies  
   J. Gynecological emergencies  

7. **Special considerations**  
   (20 questions)  
   A. Obstetrical emergencies and neonatal resuscitation  
   B. Pediatric emergencies  
   C. Geriatric emergencies  

8. **Operations**  
   (6 questions)  
   A. Ambulance operations  
   B. Access, extrication and hazardous materials emergencies  
   C. Mass casualty incidents and START triage  
   D. Responses to terrorism and weapons of mass destruction  

**Recommended Study Materials**

The following references support questions on this examination. These books may be available in public and academic libraries. They also are available from retail stores or online. All candidates should prepare for this examination by studying one or more of these references. The first two sources are current editions of Intermediate-level textbooks. The remaining sources are current editions of EMT textbooks.

3. Emergency Care and Transportation of the Sick and Injured, 10th Ed. (2010), American Academy of Orthopaedic Surgeons (AAOS)

**Medications List for EMT-I from US DOT Curriculum**

- Aspirin Epinephrine (1:1000)  
- Adenosine Epinephrine (1:10,000)  
- Atropine sulfate Furosemide (Lasix)  
- Bronchodilators (Beta 2 agonists) Lidocaine HCl 2%  
  e.g. Albuterol Morphine sulfate  
- 50% dextrose Naloxone (Narcan)  
- Diazepam Nitroglycerine
Abbreviations

The following abbreviations may appear in the EMT-Intermediate Examinations.

ABCs airway, breathing/ventilation, circulatory status
ADA Americans with Disabilities Act
ADH antidiuretic hormone
AED automated external defibrillator
AIDS acquired immune deficiency syndrome
ALS Advanced Life Support
APGAR appearance, pulse, grimace, activity, respirations
ANSI American National Standards Institute
ARDS adult respiratory distress syndrome
ASA aspirin
ATP adenosine triphosphate (body’s energy source)
AV atrioventricular
AVPU Mental status responsiveness check:
alert, responds to verbal or painful stimuli, unresponsive
BLS Basic Life Support
BP or B/P blood pressure
BPM beats per minute
BSI body substance isolation
BVM bag valve mask
CAD coronary artery disease
cc cubic centimeter
c-collar cervical collar
CDC Center for Disease Control and Prevention
CHEMTREC Chemical Transportation Emergency Center
CHF congestive heart failure
CISD critical incident stress debriefing
c-spine cervical spine
cm centimeter
c/o complains of or complaining of
CO carbon monoxide
CO₂ carbon dioxide
COBRA Consolidated Omnibus Budget Reconciliation Act (federal legislation providing for EMTALA and continuation of health insurance)
COPD chronic obstructive pulmonary disease
CPR cardiopulmonary resuscitation
CQI continuous quality improvement
D₅W 5% dextrose in water
DCAP-BTLS deformities, contusions, abrasions, punctures/penetrations, burns, tenderness, lacerations, swelling
DCFS Department of Children and Family Services
DKA diabetic ketoacidosis
dl or dL deciliter
DNR do not resuscitate
DOT Department of Transportation
ED emergency department
ECG or EKG electrocardiogram
EMD emergency medical dispatcher
EMS Emergency Medical Services
Abbreviations

ER emergency room
°F degrees Fahrenheit
GCS Glasgow Coma Score
gtts/min drops per minute
Hazmat hazardous materials
HEENT head, eyes, ears, nose and throat
HEPA mask high efficiency particulate airborne mask
HHNC hyperglycemic hyperosmolar nonketotic coma
HHNK hyperglycemic hyperosmolar nonketotic
HHNS hyperosmolar hyperglycemic nonketotic syndrome
HIPAA Health Insurance Portability and Accountability Act
HIS common bundle bridging AV node to bundle branches
HIV human immunodeficiency virus
HR heart rate
ICS incident command system
IM intramuscular
IMS incident management system
IV intravenous
J joules
JVD jugular venous distension
KED Kendrick extrication device
kg kilogram
L liter
lbs pounds
LLQ lower left quadrant
LMP last menstrual period
L/min or lpm liters per minute
LOC level of consciousness
LR lactated Ringers solution
LUQ left upper quadrant
MCI multiple casualty incident
mg milligram
MI myocardial infarction
min minute
mL or ml milliliters
mmHG millimeters of mercury
MSDS Material Safety Data Sheet
MVC motor vehicle collision or crash
NFPA National Fire Protection Association
NRM non-rebreather mask
NS normal saline
NSR normal sinus rhythm
O₂ oxygen
OB obstetric
OPA oropharyngeal airway
OPQRST onset, provokes, quality, radiation, severity, time
OSHA Occupational Health and Safety Administration
P pulse
PAC premature atrial contraction
Palp palpation
Abbreviations

PASG pneumatic anti-shock garment
PCO₂ partial pressure of carbon dioxide
PCR patient care report
Peds pediatrics
PERRL pupils equal and round, regular in size, react to light
pH partial pressure of hydrogen (hydrogen ion concentration)
PO₂ partial pressure of oxygen
PPE personal protective equipment
PR or PRI P-R interval
psi pounds per square inch
PVC premature ventricular contraction
QRS ventricular depolarization wave
QT or QTi QT interval
R respirations
RR respiratory rate
Rule of nines Each 9% Whole head, chest, abdomen, anterior each leg, posterior each leg, upper back, lower back/buttocks, whole arm
1% Perineum
RUQ right upper quadrant
SA sinoatrial
SAMPLE symptoms, allergies, medications, past medical history, last oral intake, events surrounding the incident
SCBA self-contained breathing apparatus
SIDS sudden death infant syndrome
SL sublingual
SpO₂ pulse oximetry
S-T S-T segment
START simple triage and rapid treatment
Sub-q subcutaneous
T or Temp temperature
TB tuberculosis
TBSA total body surface area
TKO to keep open
TIA transient ischemic attack
V-fib or VF ventricular fibrillation
VS vital signs
V-tach or VT ventricular tachycardia
WAP wandering atrial pacemaker
WMD weapons of mass destruction
y/o year old
Part III    Testing Procedures

YOU WILL NOT BE ALLOWED TO TAKE THE EXAM IF YOU DO NOT HAVE ONE OF THESE FORMS OF ID. ALL CANDIDATE IDS ARE SUBJECT TO SECURITY SCREENING TO VERIFY THEIR AUTHENTICITY.

- A valid US Driver’s License or State ID issued by one of the 50 states or US Territories.
- A valid US Passport or Military Active Duty ID.
- A valid consular ID

All candidates must agree to abide by PSI Test Center Rules:

- Video monitoring of each candidate occurs throughout the test.
- Video tapes may be reviewed if suspicious behavior occurs during a test.
- Name and address on the candidate ID must match the CTS application and PSI candidate registration records.
- ALL NAME OR ADDRESS CHANGES MUST BE SUBMITTED TO CTS IN WRITING AT LEAST 10 DAYS BEFORE THE TESTING APPOINTMENT.

No candidate may take this test if he/she:

- Does not present required photo ID when asked
- Refuses to sign the PSI Examinee Agreement
- Does not follow all PSI Test Center rules
- Tries to use prohibited items, including but not limited to books, notes, cell phones, cameras, pagers or other electronic devices during a test
- Gives or receives help during a test or test breaks
- Tries to record or copy any test questions
- Fails to follow PSI Test Center staff instructions
- Disrupts testing for other candidates

Test Center check-in procedures include:

- Cell phones, pagers or other electronic devices are NOT PERMITTED in the testing room.
- Personal items (purses, coats, etc.) MUST be secured outside the testing room.
- A digital photograph and a digital fingerprint will be taken during check-in.
- Candidates must sign in and out of the test center for all personal breaks during testing.
- The test timer continues during any candidate’s personal breaks.

Before you start the test, you will be asked to enter your social security number. It must be identical to the social security number you submitted in your application to take this examination.
You will be required to read and agree to the security agreement before the test will begin.

**PSI SECURITY AGREEMENT FOR EXAMINATIONS**

Test Center Location: ___________________________  State: ___________________________

**SECURITY AGREEMENT:**

I HAVE READ THE FOLLOWING PSI SECURITY AGREEMENT AND CONSENT TO TAKE THE LICENSING EXAMINATION UNDER THE CONDITIONS STATED HEREIN:

- I will not give or receive assistance while taking the test, including the use of unauthorized study material or unauthorized notes. I acknowledge that I have not taken any unauthorized study material or unauthorized notes into the testing area.
- I will maintain the confidentiality of the test.
- I will not have in my possession a cell phone, pager, or other unauthorized materials.
- I will inform the proctor when needing to use the rest room, but I understand that leaving the building at any time before completing the exam is prohibited.
- I understand that violating the confidential nature of the licensing test can result in severe civil or criminal penalties, invalidation of test scores, reports to the authorized agency.

Note: If a candidate refuses to consent to the conditions of this PSI Security Agreement, the proctor will notify the candidate that they will not be authorized to take the examination. PSI headquarters will be so informed. This form is retained as a permanent part of the candidate file.

AGREE  DISAGREE

You will be asked to confirm your name, social security number and the examination for which you are registered before you can begin.

- To begin, press the Green 'Enter' key on the keyboard or click the 'Enter' button provided.
- To cancel the operation, press the Green 'Back' key on the keyboard or click the 'Back' button.

Welcome to the Test of Essential Academic Skills V (TEAS) C 1

We have the following information about you:

Name: PSI DEMO
Candidate ID: 211524005
Test: Test of Essential Academic Skills V (TEAS) C

If ANY of this information is not correct, please contact the Proctor immediately!

If all the information is correct you may proceed by pressing the Enter key or Click on the Enter button.

Before you start your examination, an introductory tutorial to the computer and keyboard will be 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.
Taking this examination by computer does not require any computer experience or typing skills. You will use fewer keys than you use on a touch-tone telephone. All response keys are colored and have prominent characters. An illustration of the special keyboard is shown here. **You may also use the mouse.**

**The Keyboard:**

The keyboard used for PSI’s examinations is a standard keyboard, however only a few keys are actually used for the exam. You may also use the mouse.

**Yellow Answer Keys**

The candidate will use only the following colored keys to answer the test items. Select the key and select ENTER.

- Yellow key marked 1 for response 1.
- Yellow key marked 2 for response 2.
- Yellow key marked 3 for response 3.
- Yellow key marked 4 for response 4.
- Yellow key marked 5 for response 5.

**NOTE: Use only Answer Keys 1-4 in this test.**

**Green ENTER Key**

The green ENTER (or NEXT) key enters your responses and moves you through the test.

**You MUST press ENTER (or NEXT) to “record” your response.**

**IMPORTANT**

PRESS THE ENTER KEY OR THE NEXT KEY ONCE AND RELEASE IT IMMEDIATELY. HOLDING THE ENTER KEY OR NEXT KEY DOWN MAY CAUSE YOU TO SKIP PAST ONE OR MORE QUESTIONS.

**Green BACK Key**
The green BACK key moves you to the previous question. Each time you press BACK, you will move backwards by one screen.

### Blue MARK Key
The blue MARK Key allows you to mark questions for later review. Press the MARK key again to remove the MARK. Changing an answer does not remove the MARK on a question.

### Blue COMMENT Key
The blue COMMENT Key allows you to enter comments about a question.

### Yellow ERASE Key
The yellow ERASE Key clears (erases) any response you have entered for a question.

### Red HELP Key
The red HELP Key provides a brief summary of each key's functions. You can press HELP at any time.

### Green GOTO Key
The green GOTO Key gives you four options for viewing your test.

**GOTO Option 1: VIEW ALL**
VIEW ALL allows you to see all of the items on the test, starting with Question 1, one at a time. This is the default setting for the test.

**GOTO Option 2: VIEW MARKED**
VIEW MARKED allows you to see only those questions you have marked for review starting with the first MARKED question. You MUST press the MARK key again to remove the MARK. Changing an answer to a question does not remove the MARK.

**GOTO Option 3: VIEW UNANSWERED**
VIEW UNANSWERED allows you to see only those questions you have left blank, starting with the first unanswered question.

**GOTO Option 4: VIEW SPECIFIC**
VIEW SPECIFIC allows you to see any question you want to see by entering the question number.
Status Bar

The "status bar" at the top of the examination screen gives the status of the current test.
- "Question: 3 of 40" indicates you are on QUESTION number 3 out of a total of 40 items.
- "Answered" and "Unanswered" indicate you have ANSWERED 2 items, and there are 1 UNANSWERED items.
- "Marked" means you have MARKED 0 items that you may come back to review later.
- "View" indicates all items on the test are available to you for VIEWING. (see GOTO button.)
- "Time Left" indicates how many minutes you have remaining to take this test.

PRACTICE QUESTIONS

Each candidate begins with a Test Tutorial to practice answering questions and review the computer testing process.

FUNCTION BUTTONS

The “Function Bar” at the top of the screen provides mouse-click access to the features available on the current test. These also are available by using the labeled keys on the keyboard.

The on-screen calculator is available to clicking on this button on the screen. The calculator allows the candidate to perform simple calculations during the exam.
ENDING THE TEST

WHEN YOU ARE READY TO END THE TEST:

- Press the green END key when you are ready to end your test.
- The time you have left to take this test will be shown.
- You will be asked TWICE to confirm that you wish to end the exam.
- You CANNOT change any answers on this test after you confirm that you are ready to end this test.

Green END Key

Message

Are you sure that you want to END the test?
You still have 30 minutes remaining for this test.
NOTE: You CANNOT return to review or answer any questions after you END this test.

Press the “ENTER” key or click on the “ENTER” button to finish this test
Press the “BACK” key or click on the “BACK” button to return to the current test

Message

Are you sure you want to end the test?

If you are ready to END this test;
1. Please type "YES" in the box below.
2. Press the "NEXT" key or click on the "NEXT" button to end this test.

IF YOU ARE NOT READY TO END THIS TEST, PRESS THE "BACK" KEY OR THE "BACK" BUTTON TO RETURN TO THE TEST.
SCORE REPORTS

Candidates who achieve a score below 70 will receive a preliminary report such as this at the test center. An official CTS letter will confirm their test results and provide further instructions about scheduling future attempts.

CONTINENTAL TESTING SERVICES

Score Report

JOHN MILLER
729 MAIN STREET
CHICAGO, IL  60611
SOCIAL SECURITY #:  XXX-XX-4444

EXAMINATION:  IL EMT Intermediate
EXAMINATION DATE:  11/20/2013

OVERALL EXAMINATION RESULT:  FAIL
EXAMINATION SCORE:  66

The required passing score is an Examination Score of at least 70. You must wait until you receive your OFFICIAL CTS results letter. It will contain further instructions on re-applying for the IL EMT-Intermediate Examination.
Candidates who achieve a score of at least 70 will receive a preliminary report such as this at the test center. An official CTS letter will confirm their test results and provide further instructions on obtaining your license.

CONTINENTAL TESTING SERVICES

Score Report

JOHN MILLER
729 MAIN STREET
CHICAGO, IL 60611
SOCIAL SECURITY #: XXX-XX-4444

EXAMINATION: IL EMT-Intermediate
EXAMINATION DATE: 11/20/2013

OVERALL EXAMINATION RESULT: PASS
EXAMINATION SCORE: 84

The required passing score is an Examination Score of at least 70. Congratulations on passing the IL EMT-Intermediate examination.

You must wait until you receive your OFFICIAL CTS results letter. It will contain further instructions on obtaining your license.
Part IV Sample Questions

All questions on this examination are multiple-choice with one correct answer. Each question is supported by study materials cited in this bulletin. The answer key appears after these questions.

1. Which of these refers to actions and care that are legally allowed by state law?
   A. Standard of care
   B. Scope of practice
   C. Duty to act
   D. Medical direction

2. What does the renal buffer system do when the pH of extracellular fluid rises?
   A. Increase the respiratory rate and depth
   B. Decrease the respiratory rate and depth
   C. Excrete bicarbonate and retain hydrogen
   D. Excrete hydrogen and retain bicarbonate

3. Which of these refers to placing a drug in the space between the teeth or gums and the cheek?
   A. Oral
   B. Buccal
   C. Sublingual
   D. Intralingual

4. An adult patient is unresponsive, apneic and pulseless. Which of these medications should be administered first?
   A. Epinephrine
   B. Lidocaine
   C. Morphine
   D. Atropine

5. Which of these is the respiratory center of the brain?
   A. Cortex
   B. Cerebrum
   C. Cerebellum
   D. Medulla
6. When performed correctly, endotracheal intubation
   A. reduces the risk of aspiration.
   B. should be performed before defibrillation.
   C. should be accomplished in 40 seconds or less.
   D. can only be used in spontaneously breathing patients.

7. An adult patient who is alert has a clear airway, respirations of 12 with cyanosis, and a strong radial pulse. Which of these is the most appropriate oxygen delivery device for this patient?
   A. Nasal cannula
   B. Bag valve mask
   C. Endotracheal tube
   D. Non-rebreather mask

8. What information needs to be reported regarding breath sounds?
   A. Whether the bell or diaphragm of the stethoscope is used
   B. Tidal volume, rate and the relationship to S1 and S2
   C. The timing, pitch and duration of respiration
   D. Position of the patient during the assessment

9. Which of these most accurately describes a patient with two or more adjacent ribs fractured in two or more places?
   A. Hemothorax
   B. Flail segment
   C. Pneumothorax
   D. Tension pneumothorax

10. A patient from a fire has a hoarse voice, soot around the mouth and nares, respirations of 8 and stridor with decreasing LOC. Which of these would be the best intervention for this patient?
    A. Intubation
    B. Fluid resuscitation
    C. Ventilation by mouth to mask
    D. Nebulized bronchodilator treatment

11. Which of the following findings is the most concerning when treating a patient with a suspected head injury?
    A. Pulse ox decreases to 93
    B. Pulse ox decreases from 95 to 92
    C. Glasgow Coma Score decreases from 13 to 12
    D. Glasgow Coma Score decreases from 13 to 10
12. What are albuterol and metaproterenol?

A. Sympatholytic bronchodilators
B. Sympathomimetic bronchodilators
C. Parasympatholytic bronchodilators
D. Parasympathomimetic bronchodilators

13. Which of these refers to pain that results from release of the hand during palpation of a patient’s abdomen?

A. Peritoneal irritation
B. Abdominal guarding
C. Rebound tenderness
D. Diaphragmatic compensation

14. Hyperventilation syndrome causes

A. excess elimination of CO2.
B. excess elimination of O2.
C. excess accumulation of CO.
D. excess accumulation of CO2.

15. Which pacemaker has an intrinsic firing rate of 20-40?

A. SA node
B. AV node
C. Bundle of HIS
D. Purkinje fibers

16. A patient is weak and short of breath. Assessment reveals P 48, ECG shows sinus bradycardia, R 24, B/P 88/50 and cool, pale and diaphoretic skin. Which of these is indicated for this patient?

A. Epinephrine
B. Adenosine
C. Atropine
D. Lidocaine
17. Identify this rhythm.

A. Polymorphic ventricular tachycardia
B. Monomorphic ventricular tachycardia
C. Premature ventricular contractions
D. Ventricular fibrillation

18. Identify this rhythm.

A. Complete heart block
B. Second degree AV block Mobitz I
C. Second degree AV block Mobitz II
D. Sinus rhythm with premature atrial contractions

19. Which of the following correctly describes the pharmacologic action of furosemide (Lasix) when administered to a patient in pulmonary edema?

A. It increases water retention by the kidney to improve circulation.
B. It decreases water retention by the adrenal glands to improve circulation.
C. It causes vasodilation to increase venous capacitance and decrease preload.
D. It causes vasoconstriction to decrease venous capacitance and improve preload.

20. Which of these is more commonly found in a pediatric patient with a high fever than in an adult?

A. Seizure
B. Altered LOC
C. Slurred speech
D. Neurological deficit
21. Which body systems are most affected by narcotics and opiates?

A. Central nervous and gastrointestinal  
B. Gastrointestinal and respiratory  
C. Respiratory and integumentary  
D. Central nervous and respiratory

22. Which of these symptoms is \textbf{NOT} typically associated with a patient experiencing a renal calculi (kidney stone)?

A. Fever  
B. Hematuria  
C. Unilateral flank pain  
D. Pain radiating to the groin

23. Which of these is the primary objective when responding to a behavioral emergency?

A. De-escalate the situation  
B. Ensure scene safety  
C. Notify law enforcement  
D. Contact a psychologist

24. A patient in her third trimester of pregnancy c/o a headache, spots in her visual field and weight gain of 20 pounds in the last two weeks. Skin is pale, warm and dry with generalized edema. Breath sounds are clear bilaterally. VS: BP 160/100, P 80, RR 24. What should the EMT suspect?

A. Retinal detachment  
B. Hypertensive crisis  
C. Pre-eclampsia  
D. Eclampsia

25. A drop in the neonate heart rate below which of these indicates distress?

A. 140 beats per minute  
B. 120 beats per minute  
C. 110 beats per minute  
D. 100 beats per minute

26. Who should be questioned first when caring for a preschool child?

A. Mother  
B. Child  
C. Father  
D. Caregiver
27. Which of these is the correct way to initiate START triage?

A. Ask patients who can walk to proceed to a designated area.
B. Place a black tag on all patients who are not breathing.
C. Assess the mental status of all patients.
D. Assess the pulse rates of all patients.

28. Which of these biological agents would lead to nausea, vomiting and “food poisoning” symptoms?

A. Ricin
B. Anthrax
C. Botulism
D. Salmonella

Answers for EMT-I Sample Questions

1. B  15. D
2. C  16. C
4. A  18. C
5. D  19. C
6. A  20. A
7. D  21. D
8. C  22. A
10. A  24. C
11. D  25. D
13. C  27. A