Candidate Study Guide for the Illinois Emergency Medical Technician (EMT) 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 and instructions for scheduling a test. Part II provides a content outline, lists the competencies covered in the examination, identifies reference materials that support this examination, and lists abbreviations that may appear in this exam. Part III describes testing procedures on the day of the examination. Part IV 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 photo ID and a valid admission notice to be admitted to any of these examinations. Only a valid Driver’s License, Secretary of State ID card, or a current passport is acceptable as photographic identification. If the name on the photo ID does not match the name on the admission notice, 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 for the next scheduled examination date.

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 with CTS and pay the appropriate fee.

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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.

**Locations of Approved PSI Centers**

PSI Test Centers in Chicago and Springfield plus College of DuPage-Glen Ellyn, Parkland College in Champaign, Sandburg College in Galesburg, and SIU-Carbondale are proctored onsite. The remaining locations use remotely proctored testing stations that monitor candidates with three digital cameras and an on-screen chat window. 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. All other rules are the same for examinations in on-site proctored and remotely proctored locations.

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).
- A PSI staff member will answer to help you schedule your CTS exam.

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


   - 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.
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.

<table>
<thead>
<tr>
<th>Account Activity</th>
</tr>
</thead>
<tbody>
<tr>
<td>If there are no activities displayed on this page, please click the button below to provide additional information so that we can locate your records:</td>
</tr>
<tr>
<td>Find My Records</td>
</tr>
</tbody>
</table>

**Registered records**

<table>
<thead>
<tr>
<th>Test Name</th>
<th>Portion Name(s)</th>
<th>Sponsor</th>
<th>Eligibility Expires</th>
<th>Tasks Due</th>
</tr>
</thead>
<tbody>
<tr>
<td>IL Emergency Medical Technician (EMT)</td>
<td>IL Emergency Medical Technician (EMT)</td>
<td>ILLINOIS DEPARTMENT OF PUBLIC HEALTH</td>
<td></td>
<td>Schedule for a test</td>
</tr>
</tbody>
</table>

**Scheduled records**

<table>
<thead>
<tr>
<th>Test Name</th>
<th>Sponsor</th>
<th>Portion Name(s)</th>
<th>Schedule Date / Start Time</th>
<th>Confirmation No.</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>NO ACTIVITIES FOUND</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Past activity (last 10 records)**

<table>
<thead>
<tr>
<th>Test Name</th>
<th>Sponsor</th>
<th>Tested Date</th>
<th>Portion (Result)</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>NO ACTIVITIES FOUND</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Test Center Selection</th>
</tr>
</thead>
<tbody>
<tr>
<td>Country: USA</td>
</tr>
<tr>
<td>Search</td>
</tr>
</tbody>
</table>

Choose one or more test centers, then click the 'Continue' button to view available dates for scheduling:

<table>
<thead>
<tr>
<th>Distance</th>
<th>Testcenter Name</th>
<th>Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.0 miles</td>
<td>CHICAGO (ROOM A)</td>
<td>332 S. Michigan Avenue, Suite 410, Chicago, Illinois, 60604</td>
</tr>
<tr>
<td>0.0 miles</td>
<td>CHICAGO (ROOM B)</td>
<td>332 S. Michigan Avenue, Suite 410, Chicago, Illinois, 60604</td>
</tr>
<tr>
<td>1.82 miles</td>
<td>SPRINGFIELD, ILLINOIS</td>
<td>3223 South Meadowbrook Road, Suite B, Springfield, Illinois, 62711</td>
</tr>
<tr>
<td>6.1 miles</td>
<td>Rincon Family Services (IE)</td>
<td>3710 N. Keedle, Chicago, Illinois, 60618</td>
</tr>
<tr>
<td>12.4 miles</td>
<td>Chicago Marriott O'Hare (IE)</td>
<td>8555 West Higgins Road, Chicago, Illinois, 60631</td>
</tr>
</tbody>
</table>

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>

Note: 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.
9. A map to help you locate the test center also is available on the PSI website under Information Links.

<table>
<thead>
<tr>
<th>Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select Jurisdiction</td>
</tr>
<tr>
<td>Select Account</td>
</tr>
<tr>
<td>Classification</td>
</tr>
<tr>
<td></td>
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<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Information Links</th>
</tr>
</thead>
<tbody>
<tr>
<td>Click Here for directions to the PSI Test Center on Michigan Avenue in Chicago.</td>
</tr>
<tr>
<td>Click Here for directions to the PSI Test Center in Springfield.</td>
</tr>
<tr>
<td>Click Here for directions to the PSI Test Center at ADEU-Uptown in Chicago.</td>
</tr>
<tr>
<td>Click Here for directions to the PSI Test Center at the College of DuPage Westmont Center.</td>
</tr>
<tr>
<td>Click Here for directions to the PSI Test Center at the Cari Sandburg College, Galesburg.</td>
</tr>
<tr>
<td>Click Here for directions to the PSI Test Center at SIU-Carbondale.</td>
</tr>
</tbody>
</table>

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—Chicago

PSI Test Center
332 South Michigan Avenue, Suite 410, Chicago

Parking: Enter Grant Park South Parking Garage by driving north on Michigan Avenue from Congress Parkway or by driving south on Michigan Avenue from Jackson.

PSI—Springfield

PSI Test Center
3223 South Meadowbrook Road, Suite B, Springfield

Directions: From Veterans Parkway, take Wabash (IL-4) west. Turn S onto Meadowbrook Road just beyond Green Toyota (3801 S. Wabash)

College of Dupage—Glen Ellyn
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 any sister to the second floor. Questions? Call 217-551-7432.

Carl Sandburg College, Galesburg

Southern Illinois University—Carbondale
900 South Normal Avenue
Woody Hall, Testing Services, B-228 or B-230
# 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>
</tr>
</thead>
<tbody>
<tr>
<td>Brilliance Academy, Niles</td>
<td>Brilliance Academy is on the second floor of a building at Lehigh and Touhy Avenues. The parking lot is accessible from Lehigh or Touhy. The receptionist will direct you to the testing station.</td>
</tr>
<tr>
<td>5940 West Touhy Avenue, Suite 200</td>
<td></td>
</tr>
<tr>
<td>Chicago Marriott – O’Hare</td>
<td>Located just north of Kennedy Expressway near Cumberland exit on Higgins between Cumberland and East River Road. Parking available in hotel lot for $8. Check-in and parking pass at front desk in hotel. Nearest CTA stop: Cumberland on Blue Line to O'Hare Airport.</td>
</tr>
<tr>
<td>8535 West Higgins</td>
<td></td>
</tr>
<tr>
<td>Chicago, IL</td>
<td></td>
</tr>
<tr>
<td>Chicago State University</td>
<td>Chicago State University is located at 9501 South Martin Luther King Drive in Chicago. Testing is on 4th floor of new Library building in Learning Commons Area. Parking on campus for $5. Nearest CTS Station: 0.6 miles from 95th Street Station on Red Line, with numerous bus routes to campus.</td>
</tr>
<tr>
<td>9501 S. Martin Luther King Drive</td>
<td></td>
</tr>
<tr>
<td>Chicago, IL</td>
<td></td>
</tr>
<tr>
<td>College of DuPage – Bloomingdale Center</td>
<td>The College of DuPage Bloomingdale Center is in Town Square Shopping Center south of Lake Street at Schick and Bloomingdale Roads.</td>
</tr>
<tr>
<td>Town Square of Bloomingdale</td>
<td></td>
</tr>
<tr>
<td>162 S. Bloomingdale Road</td>
<td></td>
</tr>
<tr>
<td>College of DuPage – Westmont</td>
<td>Enter the College of DuPage Westmont Center by turning north onto Pasquinelll Drive off Ogden. Center entrance is immediately north of the bank.</td>
</tr>
<tr>
<td>650 Pasquenelli Drive</td>
<td></td>
</tr>
<tr>
<td>Westmont, IL</td>
<td></td>
</tr>
<tr>
<td>College of DuPage – Naperville Regional Center</td>
<td>The College of DuPage Naperville Regional Center is on Rickert Drive. Turn north onto Rickert Drive from 75th Street two miles west of Washington Street. From Route 59, drive east on 75th Street to Richert.</td>
</tr>
<tr>
<td>1233 Richert Drive</td>
<td></td>
</tr>
<tr>
<td>Naperville, IL</td>
<td></td>
</tr>
<tr>
<td>College of Lake County – Grayslake</td>
<td>College of Lake County Test Lab in the library. A campus map is available at <a href="http://www.clcillinois.edu/maps/graycamp.asp">http://www.clcillinois.edu/maps/graycamp.asp</a>.</td>
</tr>
<tr>
<td>19351 West Washington Street.</td>
<td></td>
</tr>
<tr>
<td>Harper College Professional Center, Schaumburg</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>650 East Higgins Road, Suite 9S</td>
<td></td>
</tr>
<tr>
<td>Illinois State University – Normal Fell Hall 396</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>100 North University Street</td>
<td></td>
</tr>
<tr>
<td>Millennium Center, Rockford</td>
<td>Millennium Center is located just east of the Rock River at Madison and Walnut Streets. Check in with the receptionist on the first floor.</td>
</tr>
<tr>
<td>220 South Madison, Room 210</td>
<td></td>
</tr>
<tr>
<td>Rockford, IL</td>
<td></td>
</tr>
</tbody>
</table>
# 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>Test Center Location</th>
<th>Directions</th>
</tr>
</thead>
<tbody>
<tr>
<td>New Horizons – O’Fallon</td>
<td>Take exit 16 off Interstate 64 at Green Mount Road heading north. Test center is located in office park 0.4 miles north of I-64.</td>
</tr>
<tr>
<td>Oakton College – Skokie</td>
<td>The campus is located on Lincoln Avenue between Skokie Blvd. and Niles Center Road. The test station is in the Learning Center, Room A 145.</td>
</tr>
<tr>
<td>Peoria Advanced Medical Transport -- Peoria</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>Prairie State College – Chicago Heights</td>
<td>Prairie State College is located at South Halsted Street and Vollmer Road in Chicago Heights, Ill. The campus is about three miles south of Interstate 80 on Halsted. Testing is in the Adult Training and Resource Center Room 146. The ATOC is on Vollmer Road west of Halsted.</td>
</tr>
<tr>
<td>Rend Lake College – Mount Vernon</td>
<td>Exit I-57/64 at Broadway west, turn right on Potomac. Rend Lake College Market Place is at end of Potomac. Receptionist will direct candidate to location of test kiosk.</td>
</tr>
<tr>
<td>Rincon Center</td>
<td>Located one block north of Addison on Kedzie near the CTA Blue Line Addison stop at the Kennedy Expressway. The center has private parking for those who drive.</td>
</tr>
</tbody>
</table>
Part II  Test Content Outline

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 as adapted and approved by the Illinois Department of Public Health.

Emergency Medical Technician (EMT)

1.  Preparation and Operations  (18 questions)
   A.  EMS Systems & Research
   B.  Safety & Wellness
   C.  Documentation
   D.  System & Therapeutic Communications
   E.  Medical, legal & ethical issues
   F.  Multiple & Mass Casualties

2.  Pharmacology  (7 questions)
   A.  Pharmacology Principles
   B.  Medication Administration

3.  Airway Management, Ventilation and Oxygen Therapy  (12 questions)
   A.  Airway Management
   B.  Physiology of Respiration
   C.  Artificial Ventilation

4.  Patient Assessment  (18 questions)
   A.  Scene Size-up
   B.  Primary Assessment
   C.  History Taking
   D.  Secondary Assessment
   E.  Reassessment
   F.  Monitoring Devices

5.  Medical Emergencies  (40 questions)
   A.  Neurology
   B.  Abdominal Disorders
   C.  Immunology
   D.  Infectious Diseases
   E.  Endocrine Disorders
   F.  Psychiatric Disorders
   G.  Cardiovascular Disorders
   H.  Toxicology
   I.  Respiratory Emergencies
   J.  Hematology
   K.  GI/Renal
   L.  Gynecology
6. **Shock & Resuscitation**  
   A. Shock & Hemorrhage Management

7. **Trauma**  
   A. Trauma Assessment  
   B. Bleeding  
   C. Chest Trauma  
   D. Abdominal & GU Trauma  
   E. Orthopedic Trauma  
   F. Injuries to the Head, Neck, Face & Spine  
   G. Nervous System Trauma  
   H. Environmental Trauma  
   I. Multi-System Trauma

8. **Special Populations**  
   A. Pregnancy/Obstretrics  
   B. Neonatal Care  
   C. Pediatrics  
   D. Geriatrics  
   E. Special Challenges

**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.


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

Albuterol (patient assist in using MDI)
Epinephrine (Epi Pen) for adults and children for application in treatment of allergic reactions and anaphylaxis
Nitroglycerin (patient assist)
Abbreviations

The following abbreviations may appear in the EMT Examinations.

ABCs  airway, breathing/ventilation, circulatory status
ADA  Americans with Disabilities Act
AED  automated external defibrillator
AIDS  acquired immune deficiency syndrome
ALS  Advanced Life Support
APGAR  appearance, pulse, grimace, activity, respirations
ANSI  American National Standards Institute
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
cc  cubic centimeter
c-collar  cervical collar
CDC  Center for Disease Control
CHEMTREC  Chemical Transportation Emergency Center
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
dl or dL  deciliter
DNR  do not resuscitate
DOT  Department of Transportation
ED  emergency department
EMD  emergency medical dispatcher
EMS  Emergency Medical Services
ER  emergency room
°F  degrees Fahrenheit
GCS  Glasgow Coma Score
gtts/min  drops per minute
Hazmat  hazardous materials
HEPA mask  high efficiency particulate airborne mask
HIPAA  Health Insurance Portability and Accountability Act
HIV  human immunodeficiency virus
HR  heart rate
### Abbreviations (continued)

<table>
<thead>
<tr>
<th>Abbreviation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ICS</td>
<td>incident command system</td>
</tr>
<tr>
<td>IMS</td>
<td>incident management system</td>
</tr>
<tr>
<td>IV</td>
<td>intravenous</td>
</tr>
<tr>
<td>J</td>
<td>joules</td>
</tr>
<tr>
<td>KED</td>
<td>Kendrick extrication device</td>
</tr>
<tr>
<td>kg</td>
<td>kilogram</td>
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<tr>
<td>L</td>
<td>liter</td>
</tr>
<tr>
<td>lbs</td>
<td>pounds</td>
</tr>
<tr>
<td>L/min or lpm</td>
<td>liters per minute</td>
</tr>
<tr>
<td>MCI</td>
<td>multiple casualty incident</td>
</tr>
<tr>
<td>mg</td>
<td>milligram</td>
</tr>
<tr>
<td>min</td>
<td>minute</td>
</tr>
<tr>
<td>mL or ml</td>
<td>milliliters</td>
</tr>
<tr>
<td>mmHG</td>
<td>millimeters of mercury</td>
</tr>
<tr>
<td>MSDS</td>
<td>Material Safety Data Sheet</td>
</tr>
<tr>
<td>MVC</td>
<td>motor vehicle collision or crash</td>
</tr>
<tr>
<td>NFPA</td>
<td>National Fire Protection Association</td>
</tr>
<tr>
<td>NRM</td>
<td>non-rebreather mask</td>
</tr>
<tr>
<td>O₂</td>
<td>oxygen</td>
</tr>
<tr>
<td>OB</td>
<td>obstetric</td>
</tr>
<tr>
<td>OPA</td>
<td>oropharyngeal airway</td>
</tr>
<tr>
<td>OPQRST</td>
<td>onset, provokes, quality, radiation, severity, time</td>
</tr>
<tr>
<td>OSHA</td>
<td>Occupational Health and Safety Administration</td>
</tr>
<tr>
<td>P</td>
<td>pulse</td>
</tr>
<tr>
<td>PASG</td>
<td>pneumatic anti-shock garment</td>
</tr>
<tr>
<td>PCR</td>
<td>patient care report</td>
</tr>
<tr>
<td>Peds</td>
<td>pediatrics</td>
</tr>
<tr>
<td>PERRL</td>
<td>pupils equal and round, regular in size, react to light</td>
</tr>
<tr>
<td>pH</td>
<td>partial pressure of hydrogen (hydrogen ion concentration)</td>
</tr>
<tr>
<td>PPE</td>
<td>personal protective equipment</td>
</tr>
<tr>
<td>psi</td>
<td>pounds per square inch</td>
</tr>
<tr>
<td>RR</td>
<td>respiratory rate</td>
</tr>
<tr>
<td>Rule of nines</td>
<td>Each 9% Whole head, chest, abdomen, anterior each leg, posterior each leg, upper back, lower back/buttocks, whole arm, 1% Perineum</td>
</tr>
<tr>
<td>SAMPLE</td>
<td>symptoms, allergies, medications, past medical history, last oral intake, events surrounding the incident</td>
</tr>
<tr>
<td>SCBA</td>
<td>self-contained breathing apparatus</td>
</tr>
<tr>
<td>SIDS</td>
<td>sudden death infant syndrome</td>
</tr>
<tr>
<td>START</td>
<td>simple triage and rapid treatment</td>
</tr>
<tr>
<td>TB</td>
<td>tuberculosis</td>
</tr>
<tr>
<td>TIA</td>
<td>transient ischemic attack</td>
</tr>
<tr>
<td>VS</td>
<td>vital signs</td>
</tr>
<tr>
<td>y/o</td>
<td>year old</td>
</tr>
</tbody>
</table>
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 calculators are **NOT PERMITTED** at any time. A calculator is available on-screen by clicking a button at any time during the test. More information about this feature is provided later in this study guide.
- 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.

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

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.**

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

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

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.

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

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

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

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 remote 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.
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.

**On-screen Calculator Button**

The on-screen calculator is available by clicking this button on the testing screen. The calculator allows the test taker to perform simple calculations during the examination.

The shows that you have marked this question to review later.

Candidates may add comments about any question by using the COMMENTS key or the COMMENTS button.
The GOTO key or GOTO button allows a candidate review Marked questions, Unanswered questions, All questions or a Specific Question at any time during a test.

**GOTO**

You can goto:
Please select one option
Press 'Mark' key or use the mouse to select from the options below

- Marked Questions (1 Nos)
- Unanswered Questions (8 Nos)
- ALL Questions

- Specific Question...
  Enter the question number(1-8)

Press 'Enter Key or Click 'Enter' button to proceed with your choice above
Press 'Back' Key or Click 'Back' button to go back

---

**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.

END OF TEST SURVEY

Candidates are asked to rate their examination experience in a short survey after they finish the test.
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](image)

Candidates are advised how much time they have left when they indicate that they are ready to end a test before time has ended.

![Message](image)

Candidates must confirm that they want to end a test by typing “YES” into the text box if their time limit has not yet expired.

![Message](image)

Candidates may return to the test by using the BACK Key or the BACK Button if their time limit has not yet expired.
SCORE REPORTS

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 Emergency Medical Technician
EXAMINATION DATE: 11/20/2013

OVERALL EXAMINATION RESULT: FAIL
EXAMINATION SCORE: 65

The required passing score is an Examination Score of at least 70. Congratulations on passing the IL Emergency Medical Technician (EMT) examination. You must wait until you receive your OFFICIAL CTS results letter. It will contain further instructions on obtaining your license.

Candidates who achieve a score below 70 will receive a preliminary on-screen 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 Emergency Medical Technician
EXAMINATION DATE: 11/20/2013

OVERALL EXAMINATION RESULT: PASS
EXAMINATION SCORE: 87

The required passing score is an Examination Score of at least 70. Congratulations on passing the IL Emergency Medical Technician (EMT) 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 an EMT’s role in protecting a patient’s rights?
   A. Morality
   B. Empathy
   C. Advocacy
   D. Compassion

2. Which of these assessment findings require the use of a HEPAQ or N95 mask?
   A. Wheezing and dry cough
   B. Productive cough and night sweats
   C. Barking cough and stridor
   D. Drooling and dyspnea

3. What is the purpose of the prehospital care report?
   A. To document continuity of care
   B. To report infectious diseases to the CDC
   C. To provide supplemental documentation of patient care
   D. To serve as a special record documenting personal injury

4. The EMT treats and transports a minor after a bicycle crash. Which form of consent applies?
   A. Expressed consent
   B. Involuntary consent
   C. Informed consent
   D. Implied consent

5. Which of the following are common side effects of nitroglycerin?
   A. Nausea and vomiting
   B. Headache, hypertension, bradycardia
   C. Severe back pain, vomiting, ringing in the ears
   D. Decrease in blood pressure and headache
6. Which of these most accurately describes the respiratory status of a 54 y/o patient who can speak in only 1-2 word sentences, is very diaphoretic, appears very anxious, and has a breathing rate of 32?

A. Shallow and non-labored  
B. Tachypneic and labored  
C. Agonal  
D. Hypoventilation

7. Which of these oxygen delivery devices will deliver up to 90% oxygen concentration?

A. A partial rebreather mask at a maximum of 10 lpm  
B. Non-rebreather mask at a maximum of 15 lpm  
C. A Venturi mask at a maximum of 15 lpm  
D. Nasal cannula at a minimum of 6 lpm

8. Which of the following patients is exhibiting signs of inadequate breathing?

A. A 60 y/o patient with bilateral equal breath sounds  
B. A 55 y/o patient with respirations of 16, pink, warm and dry  
C. A 40 y/o patient with shallow respirations of 24  
D. A 30 y/o patient with respirations of 18 and equal breath sounds.

9. Which of these describes the most significant mechanism of injury for an adult?

A. A ten foot fall  
B. A stab wound to the hand  
C. A 65 mile per hour MVC  
D. A bicycle versus pedestrian collision

10. What respiratory pattern will be seen in a patient with diabetic ketoacidosis?

A. Kussmaul  
B. Ataxic  
C. Apneustic  
D. Cheyne-stokes

11. An EMT should suspect a stroke in patients with all of the following signs and symptoms EXCEPT:

A. altered mental status.  
B. severe headache.  
C. hallucinations.  
D. seizures.
12. Which of the following most accurately defines an allergic reaction?

A. An exaggerated immune system response to any substance  
B. Destruction of the immune system by an external substance  
C. A release of erythrocytes in response to a foreign substance  
D. A direct negative effect on the body by an external substance

13. Which of these is the most likely way that an EMT could be exposed to the AIDS virus while on an emergency call?

A. Coughing by an infected individual  
B. Administering CPR to infected individuals  
C. A needle stick while assisting an infected individual  
D. Touching an infected individual with an ungloved hand

14. An adult patient is unresponsive with cool, clammy skin, and has a history of diabetes and chronic renal failure. Heart rate is 100 beats per minute, respiratory rate is 16 breaths per minute with shallow respiratory effort. The family reports that the patient suddenly became very confused and lost consciousness. What should an EMT suspect?

A. Heart failure  
B. Anaphylaxis  
C. Hypothermia  
D. Hypoglycemia

15. An elderly patient with a cardiac history complains of shortness of breath and appears anxious. Auscultation reveals crackling lung sounds bilaterally. What condition should the EMT suspect?

A. Chronic obstructive pulmonary disease  
B. Congestive heart failure  
C. Coronary artery disease  
D. Angina

16. Which of these would prevent the EMT from immediately defibrillating a patient?

A. The patient has kyphosis.  
B. The patient is soaking wet.  
C. The patient has an implanted defibrillator.  
D. The patient has multiple body piercings.

17. Which of these would be abnormal arm drift when assessing a patient for stroke?

A. The arm on the affected side will drive downward.  
B. The arm on the unaffected side will drift downward.  
C. The arm on the affected side will drive upward.  
D. The arm on the unaffected side will drive upward.
18. Which of these is an inhaled poison that requires a special monitor to detect because it’s odorless, tasteless and colorless?
   A. Chlorine gas
   B. Carbon monoxide
   C. Hydrogen Sulfide
   D. Ammonia

19. Which of these indicates respiratory distress in an adult?
   A. Speaking in full sentences
   B. Heart rate of 80-100
   C. Tripod positioning
   D. Respiration of 18

20. Under which circumstances should the pneumatic antishock garment (PASG) be used?
   A. Bilateral tibia and fibula fracture
   B. Pelvic fracture; systolic BP 88mmHg
   C. Traumatic injury to a pregnant female; heart rate of 136
   D. Unresponsive head injured patient with suspected brain herniation

21. An adult presents with a deep forearm laceration. Bleeding is severe, appears bright red and spurts from the wound. What type of bleeding should an EMT suspect?
   A. Arterial
   B. Capillary
   C. Venous
   D. Lymphatic

22. Which type of dressing should be used to treat a patient with a large open chest wound?
   A. Moist dressing
   B. Trauma dressing
   C. Non-occlusive dressing
   D. Petroleum gauze dressing

23. Which of these are among the signs and symptoms of a concussion?
   A. Hypoperfusion
   B. Hypertension
   C. Fixed and dilated pupils
   D. Temporary loss of consciousness
24. An adult was shocked while installing a light fixture and is no longer in contact with the electrical source. Dark, charred skin is noted on the palms of the patient’s hands and the soles of both feet. Which of these is the proper treatment?

A. Flush with large amounts of saline, cover with wet dressings  
B. Remove any loose clothing, cover with dry, sterile dressings  
C. Apply burn ointment, cover with wet, sterile dressings  
D. Cool with ice water, cover with petroleum gauze dressings

25. Which of these refers to significant mechanism of injury that causes injuries to more than one body system?

A. Full body trauma  
B. Blunt trauma  
C. Multisystem trauma  
D. Penetrating trauma

26. A pregnant woman in her last trimester c/o dizziness when she lays flat. Which of these is the most likely cause?

A. Her approaching delivery date  
B. Prenatal vitamin side effect  
C. Supine hypotension  
D. Diabetes mellitus

27. Which statement is correct?

A. Most newborns need some sort of resuscitation.  
B. All newborns need to be dried and warmed after birth.  
C. Applying oxygen has priority over drying, warming and stimulating the baby.  
D. Chest compressions begin if the heart rate drops below 80/min.

28. A geriatric patient c/o sudden onset of nausea, dizziness and feeling weak. VS: BP 110/70, P 98 and regular, RR 18, blood sugar 98. What should the EMT suspect initially?

A. Acute coronary syndrome  
B. Pneumonia  
C. Diabetes  
D. Dysrhythmias

Answers for EMT Sample Questions

1. C  
2. B  
3. A  
4. D  
5. D  
6. B  
7. B  
8. C  
9. C  
10. A  
11. C  
12. A  
13. C  
14. D  
15. B  
16. B  
17. A  
18. B  
19. C  
20. B  
21. A  
22. D  
23. D  
24. B  
25. C  
26. C  
27. B  
28. A