

Candidate Study Guide for the Illinois Paramedic Licensure Examination

The following information is intended to help you prepare for the Illinois Emergency Medical Technician-Paramedic 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. Paramedic licensure is granted only to candidates who demonstrate sufficient knowledge of the U.S. Department of Transportation National Standard Curriculum for Paramedic 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 Paramedic from the Illinois Department of Public Health.

MISSING AN EXAMINATION

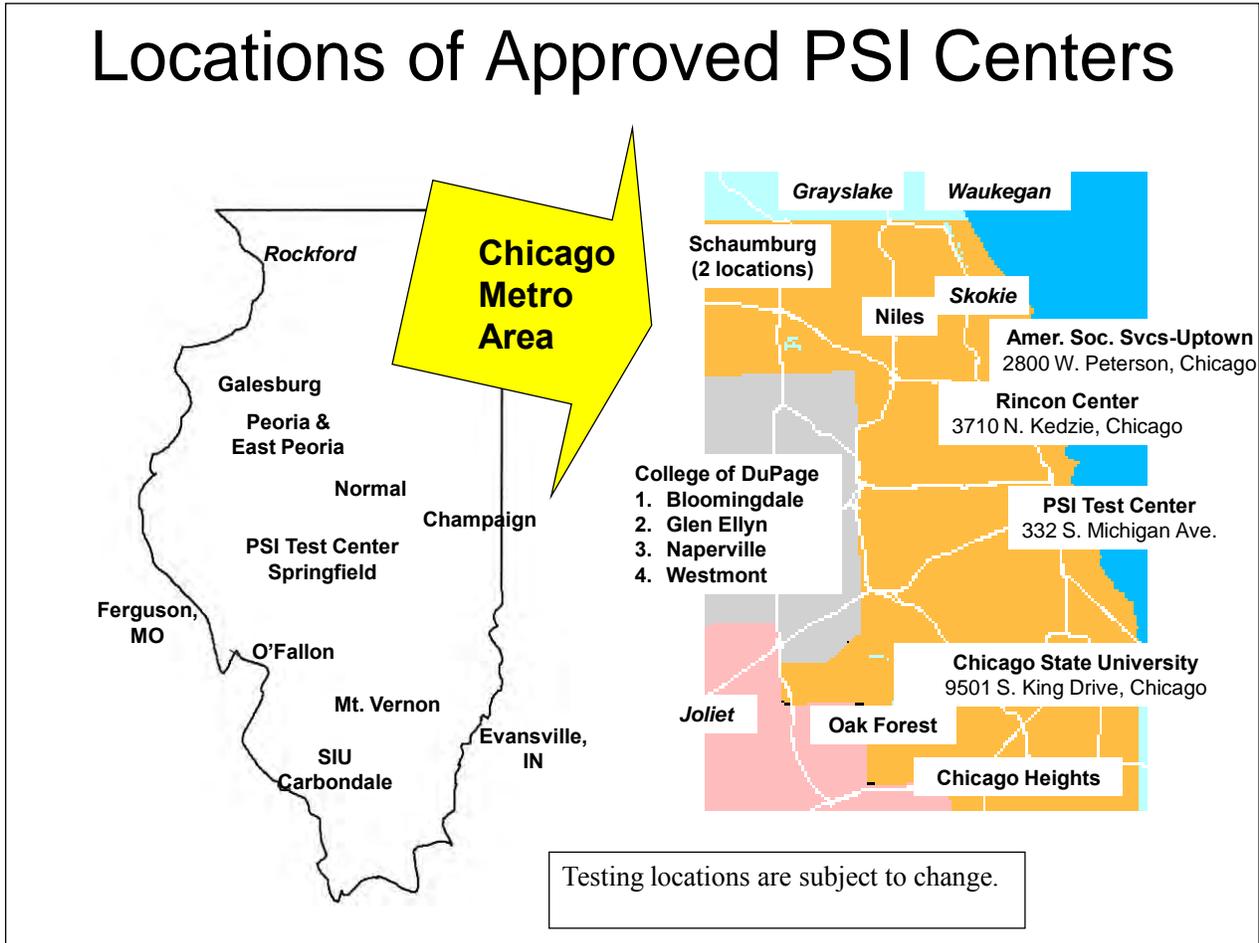
There are no "make-up" examinations. You may re-register when you receive your score report from CTS stating "consent" and pay any additional required fees.

RE-EXAMINATION

Candidates who fail the test will 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 Paramedic training program.

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 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.



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

1. Go to 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:

Remember me

[[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”.

Fields indicated with an asterisk (*) are mandatory.

Step 1

Your Details

Email Address:*

First Name:* Last Name:*

Middle Name: Generation(Jr.,Sr.,etc.)

If you have previously contacted a PSI Customer Support representative and paid for an examination, or you believe that your licensing or certification agency has provided PSI with eligibility information for you, Please check the box below:

Check here to attempt to locate existing records for you in the system.

Step 2

Enter a password for your account and select your security question and answer.

Create a password:* (The password must contain at least five characters. It is case sensitive and can contain letters and numbers only. Spaces are not allowed.)

Retype your password :* Retype to confirm your password.

Choose a Security Question : *

Security Answer :*

- 3. Complete the following steps as shown below.

Select Organization
Government/State Licensing Agencies

Select Jurisdiction
Illinois

Select Account
ILLINOIS DEPARTMENT OF PUBLIC HEALTH

Enter your SSN
473 - 86 - 1555

Submit Cancel

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*.

Account Activity

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:

[Find My Records](#)

Registered records

Test Name	Portion Name(s)	Sponsor	Eligibility Expires	Tasks Due
IL Paramedic	IL Paramedic	ILLINOIS DEPARTMENT OF PUBLIC HEALTH		Schedule for a test

Scheduled records

Test Name	Sponsor	Portion Name(s)	Schedule Date / Start Time	Confirmation No.	Status
NO ACTIVITIES FOUND					

Past activity (last 10 records)

Test Name	Sponsor	Tested Date	Portion (Result)	Status
NO ACTIVITIES FOUND				

[Back to welcome page](#)

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

Test Center Selection

Country: Zip or City:

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

Distance	Testcenter Name	Address
<input type="checkbox"/> 0.0 miles	CHICAGO (ROOM A)	332 S. Michigan Avenue,Suite 410,Chicago,Illinois,60604
<input type="checkbox"/> 0.0 miles	CHICAGO (ROOM B)	332 S. Michigan Avenue,Suite 410,Chicago,Illinois,60604
<input type="checkbox"/> 182.8 miles	SPRINGFIELD, ILLINOIS	3223 South Meadowbrook Road,Suite B,Springfield,Illinois,62711
<input type="checkbox"/> 6.1 miles	Rincon Family Services (IE)	3710 N. Kedzie,Chicago,Illinois,60618
<input type="checkbox"/> 12.4 miles	Chicago Marriott O'Hare (IE)	8535 West Higgins Road,Chicago,Illinois,60631

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.

- 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*.

From:  To: 

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

	Test Center	Available Date	Start Time
<input type="radio"/>	CHICAGO (ROOM A), Illinois	08/17/2013	8:30 AM
<input type="radio"/>	CHICAGO (ROOM A), Illinois	09/03/2013	12:30 PM
<input type="radio"/>	CHICAGO (ROOM A), Illinois	09/03/2013	3:00 PM

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

Exam: IL Paramedic
Sponsor: ILLINOIS DEPARTMENT OF PUBLIC HEALTH
Confirmation Number: C6061975
Test Center: CHICAGO (ROOM A)
Address: CHICAGO (ROOM A)
332 S. Michigan Avenue,
Suite 410,
Chicago,
Illinois,
USA
Test Schedule Date: 09/03/2013
Test Schedule Time: 3:00 PM

You must arrive at the test center 30 minutes before the start of your schedule time or you forfeit your examination fees and will not be allowed to take your scheduled examination.

Directions to Test Center: Take US-41S which becomes I-94E. Take the W Jackson Blvd exit (51F). Turn left on W Jackson Blvd. Turn right on S Michigan Ave.

 **Print Details**

- 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**.

Information

Select → Details

Select Jurisdiction
Illinois

Select Account
ILLINOIS DEPARTMENT OF PUBLIC HEALTH

Classification

- IL Emergency Medical Technician (EMT)
- IL Emergency Medical Technician - Intermediate (EMT-I)
- IL Paramedic
- IL Trauma Nurse Specialist (TNS)

Information Links

- [Click Here for directions to the PSI Test Center on Michigan Avenue in Chicago.](#)
- [Click Here for directions to the PSI Test Center in Springfield.](#)
- [Click Here for directions to the PSI Test Center at ASSU-Uptown in Chicago.](#)
- [Click Here for directions to the PSI Test Center at the College of DuPage Westmont Center.](#)
- [Click Here for directions to the PSI Test Center at the Carl Sandburg College, Galesburg.](#)
- [Click Here for directions to the PSI Test Center at SIU-Carbondale.](#)

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
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 Test Center, Chicago

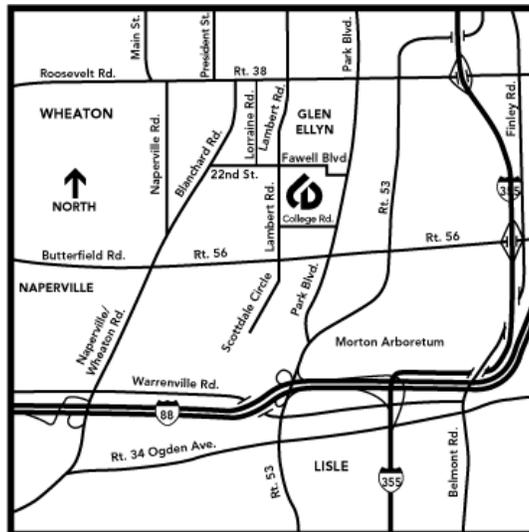
PSI Test Center, Springfield

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

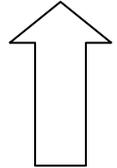
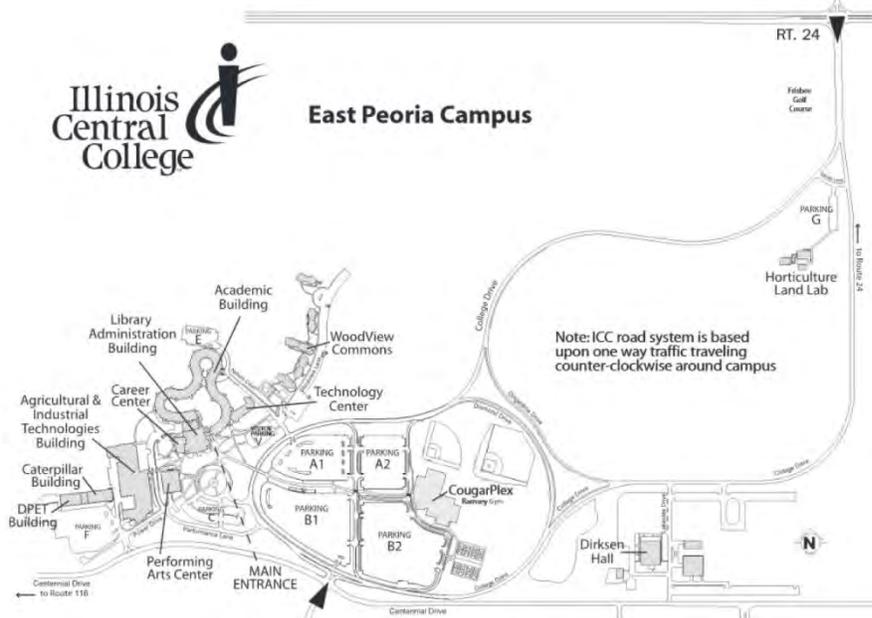


Directions From Veterans Parkway, take Wabash (IL-4) west.
Turn S onto Meadowbrook Road just beyond Green Toyota (3801 S. Wabash)

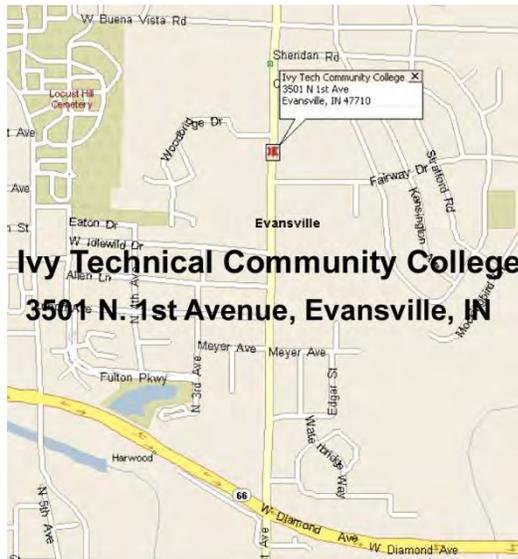
College of DuPage, Glen Ellyn



Central College, East Peoria



Test Center is Room L220 in the Library & Administration Building



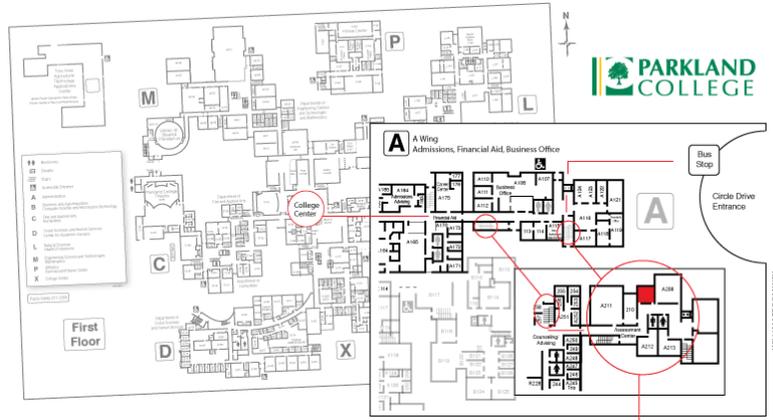
Ivy Technical Community College
3501 N. 1st Avenue, Evansville, IN



Testing is in the Workforce Certification & Assessment Center



Parkland



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 stair case to the second floor.
 Questions? Call 217/351-2432.

College, Champaign

Carl Sandburg College, Galesburg

Carl Sandburg College
 2400 Tav. L. Wilson Blvd
 Galesburg, IL 61401
 Ph: (309) 344-2518

The Educational Technology Center
 88 Sandburg Mall
 1150 W. Carl Sandburg Drive
 Galesburg, IL 61401
 Ph: (309) 344-2595

The Annex
 225 East Main
 Galesburg, IL 61401
 Ph: (309) 344-2595
 houses Dental Hygiene
 Cosmetology & Nail Technology

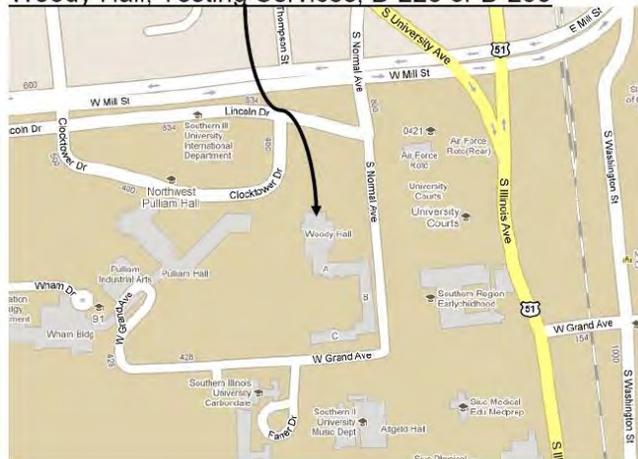
Directions to Main Campus from I74:
 - I-74 West to Hwy 34
 - Hwy 34 West (toward minimum) to Hwy 150
 - Hwy 150 West (OSC Exit toward Alpha)
 - Left at stoplight onto S. Lake Storey Road
 - 1 mile to CSC Entrance on Left

Directions to Main Campus from the West:
 - Hwy 34 East to Hwy 150
 - Hwy 150 West (OSC Exit towards Alpha)
 - Left at stoplight onto S. Lake Storey Road
 - 1 mile to CSC Entrance on Left

www.sandburg.edu

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.

LOCATION	DIRECTIONS
Advanced Medical Transport Peoria 1718 North Sterling Avenue	Advanced Medical Transport is located just south of Nebraska Avenue on Sterling Avenue in Peoria. A receptionist will direct candidates to the testing station.
American Social Services of Uptown 2800 West Peterson Street Chicago, IL 60659	ASSU is located at Peterson and California. Parking is available in the private lot behind the building or on the street (metered parking). ASSU also is served by the CTA 93 California/Dodge and 84 Peterson busses.
Chicago State University 9501 S. Martin Luther King Drive Library Building, 2 nd Floor, Room 201 Chicago, IL	Chicago State University is located at 9501 South Martin Luther King Drive in Chicago. Testing is on 2 nd floor of new Library building in Room 201. Parking on campus for \$5. Nearest CTS Station: 0.6 miles from 95 th Street Station on Red Line, with numerous bus routes to campus.
College of DuPage – Bloomingdale Center Town Square of Bloomingdale 162 S. Bloomingdale Road	The College of DuPage Bloomingdale Center is in Town Square Shopping Center south of Lake Street at Schick and Bloomingdale Roads.
College of DuPage – Westmont 650 Pasquenelli Drive Westmont, IL	Enter the College of DuPage Westmont Center by turning north onto Pasquinelli Drive off Ogden. Center entrance is immediately north of the bank.
College of DuPage – Naperville Regional Center 1233 Richert Drive Naperville, IL	The College of DuPage Naperville Regional Center is on Rickert Drive. Turn north onto Rickert Drive from 75 th Street two miles west of Washington Street. From Route 59, drive east on 75 th Street to Richert.
College of Lake County – Grayslake 19351 West Washington Street	The Testing Center is in the main library on the first floor of the Grayslake campus.
College of Lake County – Waukegan 33 N. Genessee Street Second Floor, Room N203	Take Belvidere (Route 120), Grand or Washington east to Genessee Street. The CLC Lakeshore Campus is on Genessee north of Washington and west of Sheridan Road.
F&R Services, Ferguson, MO 119 Church, Suite #223	Exit I-70 to Florissant Road in Cool Valley. Follow Flourissant Road to Church Street in Ferguson.
Global Knowledge – Schaumburg 1500 McConnor Parkway, Suite 500	McConnor Parkway is located north of Woodfield Mall between Golf Road and I-90 east of Meacham Road.
Harper College Professional Center, Schaumburg 650 East Higgins Road, Suite 9S	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.

Illinois State University – Normal Fell Hall 396 100 North University Street	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.
Joliet Junior College – Joliet 1215 Houbolt Road Academic Skills Center	Exit I-55 onto Route 52 East (Exit 253) to Houbolt. Turn right (South) to college entrance.
Millennium Center, Rockford 220 South Madison, Room 210 Rockford, IL	Millennium Center is located just east of the Rock River at Madison and Walnut Streets. Check in with the receptionist on the first floor.
New Horizons – O’Fallon 1476 N. Green Mount Road Suite 300	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.
Oakton College – Skokie 7701 Lincoln Ave, Room A135	Campus is between Howard and Niles Center Road on Lincoln in Skokie. Park in student lot in front of campus. Test center is Room A135.
Prairie State College – Chicago Heights 202 S. Halsted Street Adult Training and Outreach Center (ATOC), Room 146 Chicago Heights, IL	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.
Real Estate Institute – Niles 6203 W. Howard Street	REI is located at the corner of Howard Street and Merrimac Avenue in Niles, between Caldwell and Lehigh.
Rend Lake College Marketplace Campus Mount Vernon 321 Potomac Blvd.	Exit I-57/64 at Broadway west, turn right on Potomac Rend Lake College Market Place is at end of Potomac Testing is in Studio RLC. Sign in at the desk for the RLC Cosmetology School.
Rincon Center 3710 N. Kedzie Chicago, IL	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.
South Suburban College 16333 S. Kilbourn Avenue, Room 5130 Oak Forest, IL	Exit I-57 on 167 East to Kilbourn Avenue. Turn left on Kilbourn and drive three blocks to South Suburban College campus. Park in front of building. The campus also is served by bus routes 364-159th Street and 354 Harvey-Oak Forest Loop.

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 Paramedic as approved by the Illinois Department of Public Health.

Paramedic

1. ***Preparation and Professional Issues*** (20 questions)
 - A. EMS responsibilities and well-being of the EMT-P
 - B. Medical and legal issues
 - C. General principles of pathophysiology
 - D. Pharmacology
 - E. Vascular access and medication administration
 - F. Therapeutic communications

2. ***Airway Management and Ventilation*** (4 questions)
 - A. Intubation indications, contraindications, placement and complications
 - B. Needle cricothyrotomy

3. ***Patient Assessment*** (10 questions)
 - A. History taking and techniques of physical examination
 - B. Scene size-up, initial assessment, GCS, detailed examination and transport decisions
 - C. Communications and documentation

4. ***Trauma*** (24 questions)
 - A. Mechanisms of injury
 - B. Hemorrhage and shock
 - C. Soft tissue trauma and burns
 - D. Head and facial trauma
 - E. Spinal trauma
 - F. Thoracic trauma
 - G. Abdominal and pelvic trauma
 - H. Musculoskeletal trauma

5. ***Pulmonary and Cardiovascular Medical Emergencies*** (33 questions)
 - A. Respiratory emergencies
 - B. Cardiovascular emergencies

6. ***Other Medical Emergencies*** (39 questions)
 - A. Neurology
 - B. Endocrinology
 - C. Allergies and anaphylaxis
 - D. Gastroenterology
 - E. Renal and urogenital disorders
 - F. Toxicology
 - G. Hematologic disorders
 - H. Environmental conditions
 - I. Infectious and communicable diseases
 - J. Behavioral and psychiatric disorders
 - K. Obstetrics

7. **Neonatology, Pediatrics and Geriatrics** (14 questions)
A. Neonatal assessment and resuscitation
B. Pediatrics
C. Geriatrics
8. **Other Topics** (6 questions)
A. Abuse and assault
B. Crime scene awareness, disaster response and medical incident command
C. Hazardous materials, domestic preparedness and homeland security

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 purchased from retail stores or online. All candidates should prepare for this examination by studying one or more of these references.

Bledsoe, B.E., Porter, B.S., Cherry, R.A. (2007). *Essentials of Paramedic Care, 2nd Edition*, Prentice-Hall.

Bledsoe, B.E., Porter, B.S., Cherry, R.A. (2006). *Paramedic Care Principles and Practice, 2nd Edition*, Prentice-Hall.

Caroline, N. (AAOS, 2008). *Emergency Care in the Streets, 6th Edition*, Jones and Bartlett.

Sanders, M.J., et. al. (2005). *Mosby's Paramedic Textbook, 3rd Edition*, Mosby.

Medication list for EMT-P from DOT Curriculum

In most instances, dosages are not tested as they vary from System to System unless listed below. Students should be prepared to answer questions on drug actions, indications, contraindications, and side effects.

adenosine (Adenocard)
albuterol (Proventil) (2.5 mg usual first dose)
amiodarone (may be mentioned with Lidocaine for Rx of ventricular dysrhythmias)
aspirin
atropine
dextrose 50% 50 ml IVP (adult dose for hypoglycemia)
diazepam (Valium) (peds dose: 0.2/0.5 mg IVP/IR)
diphenhydramine (Benadryl)
dopamine
epinephrine 1:1000 0.3-0.5 mg for bronchospasm
epinephrine 1:10,000 1 mg IVP/IO for code mgt.
furosemide (Lasix)
glucagon
lidocaine
midazolam (Versed)
morphine
naloxone (Narcan)
nitroglycerin
sodium bicarbonate
vasopressin (may be mentioned with Epi 1:10,000 for Rx of V-fib and asystole)
verapamil (offered as an alternative to diltiazem)

Abbreviations

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

ABCs	airway, breathing/ventilation, circulatory status
ACE	angiotensin-converting enzyme
ADA	Americans with Disabilities Act
ADH	antidiuretic hormone
AED	automated external defibrillator
AIDS	acquired immune deficiency syndrome
ALS	Advanced Life Support
AMI	acute myocardial infarction
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
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
CISM	critical incident stress management
c-spine	cervical spine
CNS	central nervous system
c/o	complains of or complaining of
CO	carbon monoxide
CO ₂	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
D ₅ W	5% dextrose in water
D ₅₀ W	50% 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

Abbreviations (continued)

ECG or EKG	electrocardiogram
ECRN	Emergency Communications Registered Nurse
ED	emergency department
EDD	esophageal detector device
EMD	emergency medical dispatcher
EMS	Emergency Medical Services
EOMs	extraocular movements
mEq/L	milli-equivalents per liter
ET	endotracheal
ETT	endotracheal tube
°F	degrees Fahrenheit
GCS	Glasgow Coma Score
GI	gastrointestinal
gm	gram
gtts/min	drops per minute
Hazmat	hazardous materials
HCO ₃	bicarbonate
HEENT	head, eyes, ears, nose and throat
HEPA mask	high efficiency particulate airborne mask
HHN	hand held nebulizer
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
HTN	hypertension
ICS	incident command system
IM	intramuscular
IMS	incident management system
IV	intravenous
IVP	intravenous push
IVPB	intravenous piggy back
IVR	idioventricular
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
mA	milliamps
MCI	multiple casualty incident
MDI	metered dose inhaler

Abbreviations (continued)

mEq	milli-equivalents
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
NC	nasal cannula
NFPA	National Fire Protection Association
NRM	non-rebreather mask
NS	normal saline
NSR	normal sinus rhythm
NTG	nitroglycerin
O ₂	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
PASG	pneumatic anti-shock garment
PCO ₂	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)
PICC	peripherally inserted central catheter
PO ₂	partial pressure of oxygen
PPE	personal protective equipment
PR or PRI	P-R interval
psi	pounds per square inch
PSVT	paroxysmal supraventricular tachycardia
PTH	parathyroid hormone
PtL	Pharyngo-tracheal lumen airway (dual lumen airway)
PVC	premature ventricular contraction
QRS	ECG wave representing ventricular depolarization
QT or QTI	QT interval
R	respirations
RA	room air
RBC	red blood cell
RLQ	right lower quadrant
RR	respiratory rate
RSV	Respiratory Syncytial Virus
RTS	revised trauma score

Abbreviations (continued)

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	
S&S	signs and symptoms	
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	
SOB	shortness of breath	
SpO ₂	pulse oximetry	
S-T or ST	S-T segment	
START	simple triage and rapid treatment	
Sub-q	subcutaneous	
T or Temp	temperature	
TB	tuberculosis	
TBSA	total body surface area	
TIA	transient ischemic attack	
TKO	to keep open	
TSH	thyroid-stimulating hormone	
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	

Reference Norms

Intrinsic pacing rates	SA node	60-100
	AV node	40-60
	Ventricles	20-40
PR interval	0.12 – 0.20 seconds	
QRS duration	0.04 – 0.10 seconds	
Carotid pulse =	minimum systolic BP of 60 mmHg	
Femoral pulse =	minimum systolic BP of 70 mmHg	
Radial pulse =	minimum systolic BP of 80 mmHg	
Upper limits of pacing mA =	200	

Airway, stroke & cardiac treatment questions reference AHA 2005 ACLS Guidelines
 Stroke assessments using Cincinnati quick screen: change in speech, facial asymmetry and arm drift
 Peds fluid resuscitation volumes are calculated at 20 mL/kg
 1 kg = 2.2 lb

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.

The screenshot shows a user interface for entering a Social Security Number (SSN). At the top, there is a light yellow banner with a lightbulb icon and two instructions: "Please enter your SSN and press the Green 'Enter' key on the keyboard or click on the 'Enter' button." and "To clear the SSN and re-enter, press the Yellow 'Erase' key on the keyboard or click the 'Erase' button." Below the banner is a white rectangular box containing the SSN input area. The label "SSN" is on the left. To its right are three input fields separated by dashes, each with a small grid icon for a cursor. Below the input fields are two buttons: "Enter" (highlighted in green) and "Erase" (highlighted in yellow).

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 he/she 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.

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 !

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.



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



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.



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.

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 [X]

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

Enter Back

Message [X]

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.

Next Back

SCORE REPORTS

Candidates who achieve a score of at least 75 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.



Score Report



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

EXAMINATION:
EXAMINATION DATE:

OVERALL EXAMINATION RESULT: PASSEXAMINATION SCORE: XX

The required passing score is an Examination Score of at least 75.
Congratulations on passing the Cosmetology written 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 75 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.



Score Report



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

EXAMINATION:
EXAMINATION DATE:

OVERALL EXAMINATION RESULT: FAILEXAMINATION SCORE: XX

The required passing score is an Examination Score of at least 75.
You must wait until you receive your OFFICIAL CTS results letter. It will contain further instructions on re-applying for the Cosmetology Written Examination.

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.

NOTE: ALL REFERENCES TO EMT IN THIS EXAMINATION REFER TO EMT-PARAMEDIC UNLESS SPECIFICALLY STATED OTHERWISE IN THE QUESTION

1. Which of these is **NOT** required to prove negligence against an EMT?
 - A. Motive
 - B. Duty to act
 - C. Breach of duty
 - D. Proximate cause

2. What do all etiologies and stages of shock have in common?
 - A. Tachycardia
 - B. Hypotension
 - C. Cellular hypoxia
 - D. Cool, pale, moist skin

3. A drug comes packaged 2 mg/10 ml. How many milliliters should be administered to a patient who is prescribed to receive a dose of 0.5 mg?
 - A. 0.1
 - B. 0.25
 - C. 1.0
 - D. 2.5

4. Which of these is an indication for performing a needle cricothyrotomy on a patient?
 - A. Massive facial trauma when intubation and/or bag mask ventilation is unsuccessful
 - B. Partial airway obstruction if patient cannot speak or cough
 - C. Tension pneumothorax if ventilatory distress is severe
 - D. Intubation equipment is not available

5. 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.

6. Which of these symptoms is **NOT** typically associated with a patient experiencing renal calculi?
 - A. Pain radiating to the groin
 - B. Unilateral flank pain
 - C. Hematuria
 - D. Fever

7. What injury occurs when compression forces are applied directly to the top of the head and are transmitted to the cervical spine?
 - A. Hyperextension
 - B. Axial loading
 - C. Hyperflexion
 - D. Distraction

8. An adult patient has partial thickness burns of the chest, abdomen, perineum and the entire anterior surface of both legs. Using the Rule of Nines, how much of total body surface area has been burned?
 - A. 19%
 - B. 28%
 - C. 37%
 - D. 55%

9. A patient from a fire has severe respiratory distress, a hoarse voice, soot around the mouth and nares, respirations of 32 and stridor. Which of these is the best intervention for this patient?
 - A. Intubation
 - B. Fluid resuscitation
 - C. Ventilation by mouth to mask
 - D. Nebulized bronchodilator treatment

10. Which of the following findings is the most concerning when treating a patient with a suspected head injury?
 - A. Pulse oximetry decreases to 93
 - B. Pulse oximetry decreases from 95 to 92
 - C. Glasgow Coma Score decreases from 13 to 12
 - D. Glasgow Coma Score decreases from 13 to 10

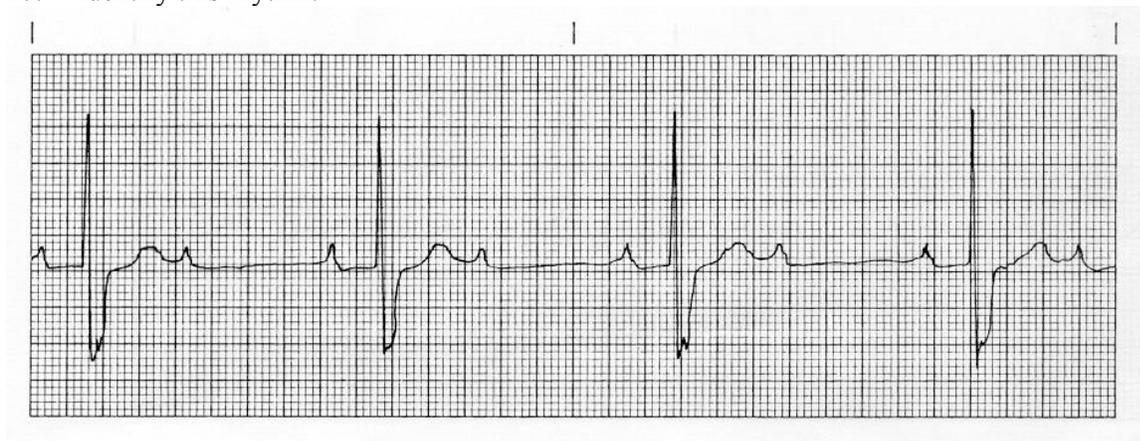
11. An unrestrained victim of a high-speed MVC has a bruise over the sternum and appears pale and anxious. VS: BP in the right arm 120/80, left arm 110/72; P 120; R 20, SpO₂ 96%; ECG ST. Neck veins are flat, breath sounds are clear and equal, heart tones are normal, abdomen is soft and non-tender; femoral and pedal pulses are diminished. What injury should the paramedic suspect?
- A. Cardiac tamponade
 - B. Massive hemothorax
 - C. Thoracic aortic disruption
 - D. Blunt cardiac injury
12. Which of these refers to pain after release of the hand during palpation of a patient's abdomen?
- A. Shifting dullness
 - B. Rebound tenderness
 - C. Abdominal guarding
 - D. Diaphragmatic compensation
13. What are albuterol and metaproterenol?
- A. Parasympatholytic bronchodilators
 - B. Parasympathomimetic bronchodilators
 - C. Sympatholytic bronchodilators
 - D. Sympathomimetic bronchodilators
14. Hyperventilation syndrome causes
- A. excess elimination of O₂.
 - B. excess elimination of CO₂.
 - C. excess accumulation of CO.
 - D. excess accumulation of CO₂.
15. A 65 y/o patient with COPD presents with sudden onset of right-sided chest pain and shortness of breath after coughing vigorously. Neck veins are flat, the trachea is midline, lung sounds are absent on the right and normal on the left. Assessment reveals no fever or hemoptysis. VS: BP 132/78, P 110, R 30 and shallow, SpO₂ 92%. What should a paramedic suspect?
- A. Spontaneous pneumothorax
 - B. Hyperventilation syndrome
 - C. Pulmonary embolism
 - D. Pleurisy

16. Identify this rhythm.



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

17. Identify this rhythm.



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

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

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

19. Which of these findings is associated with Cushing's triad in the presence of increased intracranial pressure?

- A. Increased heart rate
- B. Jugular vein distention
- C. Increasing systolic blood pressure
- D. Decreasing systolic blood pressure

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 conditions is **NOT** commonly associated with sickle cell anemia?
- A. Renal disease
 - B. Abdominal pain
 - C. Excessive bleeding
 - D. Musculoskeletal pain
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. What complication should a paramedic anticipate if there is meconium in the amniotic fluid?
- A. Profound hypoglycemia
 - B. Fetal tachycardia and CHF
 - C. An infant with a birth defect
 - D. Primary or secondary apnea

26. Which of these is the preferred site for intraosseous access on a pediatric patient?
- A. Distal femur
 - B. Proximal tibia
 - C. Distal humerus
 - D. Proximal radius
27. Where must an Illinois EMT report suspected elder abuse?
- A. Emergency department staff
 - B. The local states attorney
 - C. The elder abuse hotline
 - D. The local police
28. Which of these biological agents would lead to nausea, vomiting and “food poisoning” symptoms?
- A. Salmonella
 - B. Botulism
 - C. Anthrax
 - D. Ricin

Answers for EMT-P Sample Questions

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

Paramedic Practice Test

CTS has developed a 100-question practice test for Paramedic candidates that uses questions from the Paramedic Item Bank. All practice test questions have been validated and are supported by the same references that support the questions on the full Paramedic examinations. Candidates will receive an email with instructions for taking the practice test after they complete the eligibility requirements for this examination. Each candidate is provided one free attempt on the practice test in a 12-month period. Additional attempts on the practice test also are available for \$10 each.

Each practice test score report provides information about how the candidate performed in each content area on the test. Candidates who score below 70 percent in any content area may benefit from further study in those sections before they take the full 150-question Paramedic examination at a PSI test center.