

**CITY OF AUSTIN
FIREFIGHTERS', POLICE OFFICERS'
AND EMERGENCY MEDICAL SERVICES PERSONNEL'S
CIVIL SERVICE COMMISSION**

**NOTICE OF WRITTEN EXAMINATION & SOURCE MATERIALS LIST
FOR THE RANK OF**

CLINICAL SPECIALIST - FIELD

DATE: December 1, 2021

TIME: 2:00 PM

PLACE: Learning & Research Center
5202 E. Ben White Blvd. #500
Austin, Texas 78741

ELIGIBILITY REQUIREMENT: This written examination shall be held in accordance with the Agreement between the City of Austin and the Austin-Travis County EMS Employees Association and with Civil Service law and rules, and shall be open to each Medic - Field who at the time of the promotional examination has a current Texas Department of State Health Services certification as an Emergency Medical Technician-Paramedic or Licensed Paramedic and has cleared to independent duty.

It is the responsibility of candidates seeking education points to ensure that the Human Resource Section of the Department has the necessary supporting documentation for education points. The documentation must be received by the HR Section no later than 5:00 PM, November 24, 2021. No education points will be counted unless proper documentation is timely received.

ELECTRONIC REGISTRATION FOR WRITTEN EXAMINATION: As required by Civil service Commission Rule 7.06, all eligible candidates who intend to take the examination **MUST** register.

Candidates will now signup for examinations electronically at <https://signup.com/go/ZsGjdve>.

Registration must be made no later than 2:00 PM, November 24, 2021. Exam registration instructions can be found at: <http://cityspace.ci.austin.tx.us/departments/hrm/civil-service/ems/promotional-exam-exam-review-sign-up-instructions>.

Once you register, you will receive a confirmation email which will serve as your Letter of Intent. Civil Service will have the master list of those who have signed up. **Only those applicants who have registered through the electronic process will be admitted into the examination.**

CONTENT OF EXAMINATION: Examination questions will be taken only from those source materials identified below. No questions will be taken from material in the source that is assigned a label, e.g. figure, table, exhibit, box, Scan, etc., unless such material is specifically identified below.

1. Emergency Medical Services Department Policies and Procedures

Policies

Chapter 1 Organization and Administration: 100, 103, 104 ONLY

Chapter 2 Code of Conduct

Chapter 4 Safety: ALL sections EXCEPT 404, Safety Program Manual, and Accident Prevention Plan

Administrative and Operational Procedures

OC-01.02 Event Reporting

PI-01.01 Clinical Performance Improvement

TE-01.01 Continuing Medical Education

HR-01.07 Administrative Investigation Procedure HR-01.08.00 Drug and Alcohol Procedure

OP-02 Responses and Transport: OP 02.01 – 02.16

OP-03 Stations: OP 03.01 – 03.06

OP-04 Vehicles: OP 04.01 - 04.08

OP-05 Equipment and Supplies: OP 05.01 – 05.08

OP-06 General: OP 06.01 – 06.14

OP-07 Performance Standards: 07.01 and 07.02

OP-09 Safety: 09.02 – 09.03, 09.07 – 09.10, 09.14 – 09.16

15% of the examination questions will come from this source

2. Austin Travis County OMD System Clinical Guidelines (effective February 1, 2021)

Clinical Standards

Criteria for Death or Withholding Resuscitation

Definition of a Patient

Discontinuation of Prehospital Resuscitation

OMD Modification or Revocation of Credential to Practice

Refusal of Treatment and/or Transport

STEMI Alert

Stroke Alert

Transport Decision Process

Clinical Guidelines Documents (pages 69-124)

Specifically Clinical Management Options and Pearls

Clinical Checklists

Field Triage of Injured Patients

Pit Crew CPR, Cardiac Arrest, Post Resuscitation Checklists (pages 1-4)

Rapid 12-Lead ECG & Suspected ACS Checklists

Refusal of Care, Lift Assist, and Capacity Checklists (pages 1-3)

Clinical Procedures

Determination of Capacity

Med Administration and Cross Check (pages 1-2)

Medication Formulary

Entire Formulary EXCEPT the multi-colored pediatric charts

OMD Reference

Authorized Skills per Credential Level (PL1-PL5)

25% of the examination questions will come from this source

- 3. Tomas Garcia's 12-Lead ECG, The Art of Interpretation (Second Edition)**
ISBN: 978-0-7637-7351-9 **Author: Tomas B. Garcia, MD**
Publisher: Jones & Bartlett Learning

Candidates are responsible for:

Chapter 1: Anatomy (pages 5 – 14)

Chapter 2: Electrophysiology (pages 17 – 21)

Chapter 3: Individual Vectors (pages 23 – 29)

Chapter 6: The Basic Beat (pages 41 – 49)

Chapter 8: Rhythms (pages 63 – 64)

Chapter 9: The P Wave (pages 83 – 92)

Chapter 10: The PR Interval (pages 125 – 129, 132 – 136)

Chapter 11: The QRS Complex (pages 178, 192, 197, 203, 207, 213, 226)

Chapter 13: Bundle Branch Blocks and Hemiblocks (pages 253 – 256, 272 – 273, 289)

Chapter 14: ST Segment and T Waves (pages 321 – 324, 352, 358, 363, 402, 409)

Chapter 15: Acute Myocardial Infarction (AMI) (pages 415 – 426, 431, 443, 446, 450, 463 – 467, 472 – 474)

Chapter 16: Electrolyte and Drug Effects (pages 493 – 495, 503, 514, 521)

30% of the examination questions will come from this source

- 4. Kathryn McCance & Sue Huether's Pathophysiology: The Biologic Basis for Disease in Adults and Children (Eighth Edition)**
ISBN: 978-0-323-58347-3 **Authors: Kathryn L. McCance & Sue E. Huether**
Publisher: Elsevier

Candidates are responsible for all the following EXCEPT pictures, graphs, charts:

Chapter 1: Cellular Biology

- Cellular Metabolism (pages 22-26)
- Membrane Transport (pages 27-31)
- Movement of Electrical Impulses: Membrane Potentials (pages 34-35)

Chapter 2: Altered Cellular and Tissue Biology: Environmental Agents

- Cellular Injury (pages 49-53, STOP at "Free Radicals & Reactive Oxygen Species")

Chapter 3: The Cellular Environment: Fluids and Electrolytes, Acids and Bases

- Water Movement Between Plasma and Interstitial Fluid (pages 106-110, STOP at “Alterations in Sodium, Water, and Chloride Balance)
- Alterations in Potassium, Calcium, Phosphate and Magnesium Balance (pages 114 – 118)
- Acid Base and Balances (pages 125 – 130)

Chapter 9: Alterations in Immunity and Inflammation

- Hypersensitivity: Allergy, Autoimmunity, and Alloimmunity (pages 255 – 265, STOP at “Tests of IgE Mediated Allergy)

Chapter 17: Alterations in Cognitive Systems, Cerebral Hemodynamics, and Motor Function

- Alterations in Cognitive Systems (pages 504 – 520, STOP at “Alzheimer Disease)

Chapter 18: Disorders of the Central and Peripheral Nervous Systems and the Neuromuscular Junction

- Central Nervous System Disorders (pages 550 – 561, STOP at “Degenerative Disorders of the Spine”)

Chapter 19: Neurobiology of Schizophrenia, Mood Disorders, Anxiety Disorders, and Obsessive-Compulsive Disorder

- Schizophrenia (pages 600-611, STOP at “Anxiety Disorders”)

Chapter 22: Alterations of Hormonal Regulation

- Dysfunction of the Endocrine Pancreas: Diabetes Mellitus (pages 684 – 694, STOP at “Chronic Complications of Diabetes Mellitus”)

Chapter 33: Alterations of Cardiovascular Function

- Diseases of the Arteries (pages 1061 – 1071, STOP at “Peripheral Artery Disease”)
- Coronary Artery Disease, Myocardial Ischemia, and Acute Coronary Syndromes (pages 1074 – 1087)
- Manifestations of Heart Disease (pages 1098 – 1103)

Chapter 35: Structure and Function of the Pulmonary System

- Structures of the Pulmonary System (pages 1143 – 1158, STOP at “Test of Pulmonary Function”)

Chapter 36: Alterations of Pulmonary Function

- Conditions Caused by Pulmonary Disease (pages 1165 – 1192)

Chapter 49: Shock, Multiple Organ Dysfunction Syndrome, and Burns in Adults

- Shock, Multiple Organ Dysfunction Syndrome, and Burns in Adults (pages 1543 – 1567)

30% of the examination questions will come from this source

ADMINISTRATION OF EXAMINATION: 2.5 hours will be allowed for answering examination questions.