

**Paramedic Program  
Pre-Admission  
EMT  
Test  
Study Guide**

For this exam, the candidate should:

1. Be able to define the following terms:
  - a. Abandonment
  - b. Negligence
  - c. Assault
  - d. Battery
  - e. Medial
  - f. Lateral
  - g. Anterior
  - h. Posterior
  - i. Proximal
  - j. Distal
2. Know the basic tenets of HIPAA and patient's privacy
3. Review the mechanics of breathing and the muscles involved.
4. Review what each number in a blood pressure represent
5. Review the characteristics and difference types of muscle tissue
6. Know the location and function of the major organs of the abdomen, including but not limited to the liver, spleen and pancreas
7. Review the function of the endocrine system
8. Review proper body mechanics when lifting
9. Know the difference in respiratory failure and distress
10. Know when a described patient needs supplemental oxygen or artificial ventilation
11. Review the contraindications for oropharyngeal and nasopharyngeal airways
12. Know the basic rules of suctioning
13. Review the proper order in which a scene size up should be accomplished
14. Review the contents of an initial assessment
15. Know the name and location of major arteries
16. Review what pulse to check for responsive and unresponsive patients
17. Know what the five main vital signs are
18. Review abnormal skin colors and what they represent
19. Know the proper process for spinal motion restriction of a trauma patient with a suspected cervical injury
20. Review the complications associated with C-Collar usage
21. Review the appropriate treatment for specific closed chest injuries
22. Know the signs and symptoms of spinal and pelvic injuries
23. Review trauma assessment steps for examining the abdomen
24. Know the significance of jugular vein distension in trauma
25. Review how and when to perform pulse, motor and sensory checks
26. Review how and when the ongoing assessment should be done
27. Know how body language affects patient communication
28. Review the process for correct documentation errors
29. Review the medications an EMT can assist a patient with

30. Know the actions, indications, contraindications, side effects and procedure for the administration of
  - a. oral glucose
  - b. activated charcoal
  - c. nitroglycerin
  - d. epinephrine
  - e. aspirin
31. Review the criteria for withholding resuscitative measures on a patient in cardiac arrest
32. Know the difference in: wheezing, rales/crackles/rhonchi, and stridor
33. Review the nature of the respiratory drive in patients with and without COPD
34. Know the relationship between hypoxia and a patient's heart rate
35. Review the definition, causes, signs and symptoms, assessment, and treatment of
  - a. angina pectoris
  - b. myocardial infarction
  - c. abdominal aortic aneurysm
  - d. appendicitis
  - e. diabetic ketoacidosis
  - f. hypoglycemia
  - g. seizure
  - h. TIA
  - i. stroke
  - j. anaphylactic shock
  - k. status asthmaticus
  - l. septic shock
  - m. poisoning by ingestion
  - n. chemical burns
  - o. hypothermia
  - p. behavioral emergencies
  - q. heat emergencies
36. Review the American Heart Association's chain of survival
37. Know the indications for and functions of an AED
38. Review current CPR guidelines for all age groups
39. Review the general rules for medication administration
40. Know the significance of the complaint of dizziness or syncope during an assessment
41. Review the components and use of the Cincinnati Prehospital Stroke Scale
42. Know the procedure for normal delivery of a newborn
43. Review the components and usage of the APGAR score
44. Know the signs and symptoms and treatment for excessive vaginal bleeding post delivery
45. Review the steps for controlling bleeding
46. Review the differences in compensated, decompensated and irreversible shock

47. Know the treatment for different types of shock
48. Review the signs and symptoms and treatment for the following traumatic injuries
  - a. neck wound
  - b. avulsion
  - c. amputation
  - d. sucking chest wound
  - e. impaled objects
  - f. femur fracture
  - g. sprain
  - h. strain
  - i. dislocation
  - j. fracture
  - k. abdominal evisceration
49. Know the procedure for spinal immobilization of a motor vehicle crash victim complaining of neck and back pain
50. Review the indications and procedure for helmet removal
51. Review the definition, causes, signs and symptoms, assessment, and treatment of the following pediatric disorders
  - a. croup
  - b. epiglottitis
  - c. bronchiolitis
  - d. meningitis
  - e. measles
  - f. mumps
52. Know why and how the classic signs and symptoms of certain diseases and injuries may change or not be present in the geriatric patient
53. Review the process for emergency driving near a school bus
54. Know the procedure for transferring care
55. Review helicopter safety and operations
56. Review the differences in zones at a hazardous material incident
57. Know the procedure for responding to a possible terrorist incident
58. Review the tenets of incident command