

The EMT Entrance Assessment (EMTEA) study guide is for prospective EMT students. This study guide is designed to help students have an understanding of the type of content on the EMTEA. The answer key is on page 4.

Anatomy - questions ranging from basic to very challenging

1. Which system of the body do the mouth, lungs, and larynx belong to?

- A. Cardiovascular
- B. Respiratory
- C. Muscular
- D. Nervous

2. What is the smallest structural and functional unit of an organism?

- A. Cell
- B. Atom
- C. Molecule
- D. Electron

3. What is the circulatory system also known as?

- A. Integumentary
- B. Lymphatic
- C. Cardiovascular
- D. Endocrine

Physiology – questions ranging from basic to very challenging

4. Which system is responsible for posture and movement?

- A. Integumentary
- B. Muscular
- C. Circulatory
- D. Nervous

5. What is the outermost layer of tissue (meninges) that surrounds the spinal cord?

- A. Arachnoid mater
- B. Pia mater
- C. Epidural space
- D. Dura mater

Biology – questions ranging from basic to very challenging

6. What is the largest organ in the human body?
- A. Brain
 - B. Heart
 - C. Skin
 - D. Liver
7. How many chromosomes does a human somatic cell contain?
- A. 44
 - B. 46
 - C. 23
 - D. 26
8. What is the function of hemoglobin?
- A. Transports oxygen
 - B. Coagulates blood
 - C. Destroys bacteria
 - D. Prevents anemia
9. What is the net passive movement of particles from a region of higher concentration to a region of lower concentration?
- A. Osmosis
 - B. Active transport
 - C. Facilitated diffusion
 - D. Diffusion

Math – decimals, division, fractions, multiplication

10. What is the place value for the number 8 in 454.07809?
- A. Hundredths
 - B. Tenths
 - C. Ones
 - D. Thousandths
11. Convert 9% to a decimal.
- A. 9.0
 - B. 900.0
 - C. 0.09
 - D. 0.9

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12. Divide 170/6.

- A. 28.333
- B. 5.667
- C. 42.50
- D. 28.33

13. Solve $[(80/2) \times 4]$.

- A. 10
- B. 120
- C. 160
- D. 80

14. If $y = 6$ and $x = y/2$, solve $(5y) + (6x)$.

- A. 48
- B. 102
- C. 36
- D. 38

Medical Terminology - vocabulary questions ranging from basic to challenging

15. What does the suffix “-partum” mean?

- A. Gynecology
- B. Birth, labor
- C. Obstetric
- D. Vaginal

16. What is the definition of bilateral?

- A. Lying flat, face down
- B. Pertaining to one side
- C. Pertaining to both sides
- D. At a 90 degree angle

17. What does the prefix “brady-“ mean?

- A. Slow
- B. Fast
- C. Shallow
- D. Deep

18. What does the prefix “anti-“ mean?

- A. Not
- B. Against, opposing
- C. Together
- D. Without, from, absence of

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Answer Key

1. B
2. A
3. C
4. B
5. D
6. C
7. B
8. A
9. D
10. D
11. C
12. D
13. C
14. A
15. B
16. C
17. A
18. B