

# Practice Test Questions Set 2

## **Section I – Reading Comprehension**

**Questions:** 45

**Time:** 45 Minutes

## **Section II – Math**

**Questions:** 50

**Time:** 50 Minutes

## **Section III – Part I - English Grammar**

**Questions:** 50

**Time:** 50 Minutes

## **Section III – Part II – Vocabulary**

**Questions:** 50

**Time:** 50 Minutes

## **Section IV – Science – Part I – Chemistry & Biology**

**Questions:** 50

**Time:** 50 Minutes

## **Section IV – Science – Part II – Anatomy & Physiology**

**Questions:** 25

**Time:** 25 Minutes

The practice test portion presents questions that are representative of the type of question you should expect to find on the HESI. However, they are not intended to match exactly what is on the HESI.

For the best results, take this Practice Test as if it were the real exam. Set aside time when you will not be disturbed, and a location that is quiet and free of distractions. Read the instructions carefully, read each question carefully, and answer to the best of your ability.

Use the bubble answer sheets provided. When you have completed the Practice Test, check your answer against the Answer Key and read the explanation provided.

**NOTE: The Science, Anatomy and Physiology and English sections are optional. Check with your school for exam details.**

## **Section I – Reading Comprehension**

### **Answer Sheet**

- 1. A B C D
- 2. A B C D
- 3. A B C D
- 4. A B C D
- 5. A B C D
- 6. A B C D
- 7. A B C D
- 8. A B C D
- 9. A B C D
- 10. A B C D
- 11. A B C D
- 12. A B C D
- 13. A B C D
- 14. A B C D
- 15. A B C D
- 16. A B C D
- 17. A B C D
- 18. A B C D
- 19. A B C D
- 20. A B C D
- 21. A B C D
- 22. A B C D
- 23. A B C D
- 24. A B C D
- 25. A B C D
- 26. A B C D
- 27. A B C D
- 28. A B C D
- 29. A B C D
- 30. A B C D
- 31. A B C D
- 32. A B C D
- 33. A B C D
- 34. A B C D
- 35. A B C D
- 36. A B C D
- 37. A B C D
- 38. A B C D
- 39. A B C D
- 40. A B C D
- 41. A B C D
- 42. A B C D
- 43. A B C D
- 44. A B C D
- 45. A B C D
- 46. A B C D
- 47. A B C D
- 48. A B C D
- 49. A B C D
- 50. A B C D

## Section II – Math – Answer Sheet

- 1. A B C D
- 2. A B C D
- 21. A B C D
- 22. A B C D
- 41. A B C D
- 42. A B C D

## Section III – Answer Sheet English Grammar

1. (A) (B) (C) (D)    18. (A) (B) (C) (D)    35. (A) (B) (C) (D)  
2. (A) (B) (C) (D)    19. (A) (B) (C) (D)    36. (A) (B) (C) (D)

### Section III Part II – Vocabulary Answer Sheet

1. (A) (B) (C) (D)    21. (A) (B) (C) (D)    41. (A) (B) (C) (D)  
2. (A) (B) (C) (D)    22. (A) (B) (C) (D)    42. (A) (B) (C) (D)  
3. (A) (B) (C) (D)    23. (A) (B) (C) (D)    43. (A) (B) (C) (D)  
4. (A) (B) (C) (D)    24. (A) (B) (C) (D)    44. (A) (B) (C) (D)  
5. (A) (B) (C) (D)    25. (A) (B) (C) (D)    45. (A) (B) (C) (D)  
6. (A) (B) (C) (D)    26. (A) (B) (C) (D)    46. (A) (B) (C) (D)  
7. (A) (B) (C) (D)    27. (A) (B) (C) (D)    47. (A) (B) (C) (D)  
8. (A) (B) (C) (D)    28. (A) (B) (C) (D)    48. (A) (B) (C) (D)  
9. (A) (B) (C) (D)    29. (A) (B) (C) (D)    49. (A) (B) (C) (D)  
10. (A) (B) (C) (D)    30. (A) (B) (C) (D)    50. (A) (B) (C) (D)  
11. (A) (B) (C) (D)    31. (A) (B) (C) (D)    51. (A) (B) (C) (D)  
12. (A) (B) (C) (D)    32. (A) (B) (C) (D)    52. (A) (B) (C) (D)  
13. (A) (B) (C) (D)    33. (A) (B) (C) (D)    53. (A) (B) (C) (D)  
14. (A) (B) (C) (D)    34. (A) (B) (C) (D)    54. (A) (B) (C) (D)  
15. (A) (B) (C) (D)    35. (A) (B) (C) (D)    55. (A) (B) (C) (D)  
16. (A) (B) (C) (D)    36. (A) (B) (C) (D)    56. (A) (B) (C) (D)  
17. (A) (B) (C) (D)    37. (A) (B) (C) (D)    57. (A) (B) (C) (D)  
18. (A) (B) (C) (D)    38. (A) (B) (C) (D)    58. (A) (B) (C) (D)  
19. (A) (B) (C) (D)    39. (A) (B) (C) (D)    59. (A) (B) (C) (D)  
20. (A) (B) (C) (D)    40. (A) (B) (C) (D)    60. (A) (B) (C) (D)

### Section IV – Science Part I - Chemistry & Biology

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|---------------------|---------------------|---------------------|
| 1. (A) (B) (C) (D)  | 18. (A) (B) (C) (D) | 35. (A) (B) (C) (D) |
| 2. (A) (B) (C) (D)  | 19. (A) (B) (C) (D) | 36. (A) (B) (C) (D) |
| 3. (A) (B) (C) (D)  | 20. (A) (B) (C) (D) | 37. (A) (B) (C) (D) |
| 4. (A) (B) (C) (D)  | 21. (A) (B) (C) (D) | 38. (A) (B) (C) (D) |
| 5. (A) (B) (C) (D)  | 22. (A) (B) (C) (D) | 39. (A) (B) (C) (D) |
| 6. (A) (B) (C) (D)  | 23. (A) (B) (C) (D) | 40. (A) (B) (C) (D) |
| 7. (A) (B) (C) (D)  | 24. (A) (B) (C) (D) | 41. (A) (B) (C) (D) |
| 8. (A) (B) (C) (D)  | 25. (A) (B) (C) (D) | 42. (A) (B) (C) (D) |
| 9. (A) (B) (C) (D)  | 26. (A) (B) (C) (D) | 43. (A) (B) (C) (D) |
| 10. (A) (B) (C) (D) | 27. (A) (B) (C) (D) | 44. (A) (B) (C) (D) |
| 11. (A) (B) (C) (D) | 28. (A) (B) (C) (D) | 45. (A) (B) (C) (D) |
| 12. (A) (B) (C) (D) | 29. (A) (B) (C) (D) | 46. (A) (B) (C) (D) |
| 13. (A) (B) (C) (D) | 30. (A) (B) (C) (D) | 47. (A) (B) (C) (D) |
| 14. (A) (B) (C) (D) | 31. (A) (B) (C) (D) | 48. (A) (B) (C) (D) |
| 15. (A) (B) (C) (D) | 32. (A) (B) (C) (D) | 49. (A) (B) (C) (D) |
| 16. (A) (B) (C) (D) | 33. (A) (B) (C) (D) | 50. (A) (B) (C) (D) |
| 17. (A) (B) (C) (D) | 34. (A) (B) (C) (D) |                     |

# Section I - Reading Comprehension

Questions 1-4 refer to the following passage.

## Passage 1 - The Respiratory System

The respiratory system's function is to allow oxygen exchange through all parts of the body. The anatomy or structure of the exchange system, and the uses of the exchanged gases, varies depending on the organism. In humans and other mammals, for example, the anatomical features of the respiratory system include airways, lungs, and the respiratory muscles. Molecules of oxygen and carbon dioxide are passively exchanged, by diffusion, between the gaseous external environment and the blood. This exchange process occurs in the alveolar region of the lungs.

Other animals, such as insects, have respiratory systems with very simple anatomical features, and in amphibians even the skin plays a vital role in gas exchange. Plants also have respiratory systems but the direction of gas exchange can be opposite to that of animals.

The respiratory system can also be divided into physiological, or functional, zones. These include the conducting zone (the region for gas transport from the outside atmosphere to just above the alveoli), the transitional zone, and the respiratory zone (the alveolar region where gas exchange occurs). <sup>25</sup>

### 1. What can we infer from the first paragraph in this passage?

- a. Human and mammal respiratory systems are the same
- b. The lungs are an important part of the respiratory system
- c. The respiratory system varies in different mammals
- d. Oxygen and carbon dioxide are passive exchanged by the respiratory system

### 2. What is the process by which molecules of oxygen and carbon dioxide are passively exchanged?

- a. Transfusion
- b. Affusion
- c. Diffusion
- d. Respiratory confusion

**3. What organ plays an important role in gas exchange in amphibians?**

- a. The skin
- b. The lungs
- c. The gills
- d. The mouth

**4. What are the three physiological zones of the respiratory system?**

- a. Conducting, transitional, respiratory zones
- b. Redacting, transitional, circulatory zones
- c. Conducting, circulatory, inhibiting zones
- d. Transitional, inhibiting, conducting zones

**Questions 5-8 refer to the following passage.**

### **ABC Electric Warranty**

ABC Electric Company warrants that its products are free from defects in material and workmanship. Subject to the conditions and limitations set forth below, ABC Electric will, at its option, either repair or replace any part of its products that prove defective due to improper workmanship or materials.

This limited warranty does not cover any damage to the product from improper installation, accident, abuse, misuse, natural disaster, insufficient or excessive electrical supply, abnormal mechanical or environmental conditions, or any unauthorized disassembly, repair, or modification.

This limited warranty also does not apply to any product on which the original identification information has been altered, or removed, has not been handled or packaged correctly, or has been sold as second-hand.

This limited warranty covers only repair, replacement, refund or credit for defective ABC Electric products, as provided above.

**5. I tried to repair my ABC Electric blender, but could not, so can I get it repaired under this warranty?**

- a. Yes, the warranty still covers the blender
- b. No, the warranty does not cover the blender
- c. Uncertain. ABC Electric may or may not cover repairs under this warranty

**6. My ABC Electric fan is not working. Will ABC Electric provide a new one or repair this one?**

- a. ABC Electric will repair my fan